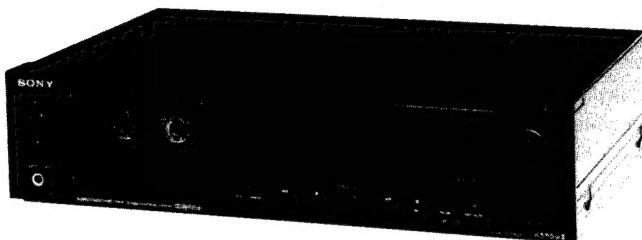


TC-K555ESII

SERVICE MANUAL

Canadian Model
AEP Model
E Model



SPECIFICATIONS

Recording system 4-track 2-channel stereo

Fast-forward and rewind time

Approx. 90 sec. (with C-60 cassette)

Bias frequency 105 kHz

Signal-to-noise ratio (at peak level)

Cassette	Dolby NR switch	OFF	B-TYPE ON	C-TYPE ON
TYPE IV (Sony METALLIC)	60 dB	67 dB	73 dB	
TYPE III (Sony FeCr)	62 dB	69 dB	75 dB	
TYPE II (Sony UCX)	59 dB	66 dB	72 dB	
TYPE I (Sony BHF or HFX)	56 dB	63 dB	69 dB	

Total harmonic distortion

0.8 % (with Sony FeCr cassette)

Frequency response DOLBY NR OFF

- With TYPE IV cassette (Sony METALLIC)
20 - 19,000 Hz (± 3 dB) (DIN)
20 - 14,000 Hz (± 3 dB, 0 VU recording)
15 - 20,000 Hz
- With TYPE III cassette (Sony FeCr)
20 - 19,000 Hz (± 3 dB) (DIN)
15 - 20,000 Hz
- With TYPE II cassette (Sony UCX)
20 - 18,000 Hz (± 3 dB) (DIN)
15 - 19,000 Hz
- With TYPE I cassette (Sony BHF or HFX)
20 - 17,000 Hz (± 3 dB) (DIN)
15 - 19,000 Hz

Wow and flutter

$\pm 0.04\%$ W, Peak (IEC)

0.025% W, RMS (NAB)

Inputs

Line inputs (phono jacks)

Sensitivity 77.5 mV (-20 dB)

Input impedance 47 k ohms

General

Power requirements 220 V ac, 50/60 Hz (AEP model)

(240 V ac adjustable by authorized Sony personnel)

120 V ac, 60Hz (Canadian model)
110, 120, 220 or 240 V ac adjustable,
50/60 Hz (E model)

Power consumption 30 watts

Dimensions Approx. 430 x 105 x 330 mm (w/h/d)
(17 x 4 1/4 x 13 inches)

including projecting parts and controls

Approx. 6.6 kg (14 lbs 9 oz)

Line outputs (phono jacks)

Output level 0.44 V (-5 dB) at a load
impedance of 47 k ohms

Load impedance over 10 k ohms

Headphone output

Output level, variable from 0.003 to
3 milliwatts at a load impedance of
32 ohms

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK

⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE
PARTS LIST ARE CRITICAL TO SAFE OPERATION.
REPLACE THESE COMPONENTS WITH SONY PARTS
WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS
MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET
UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉ-
MATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES
POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REM-
PLACER CES COMPOSANTS QUE PAR DES PIÈCES
SONY DONT LES NUMÉROS SONT DONNÉS DANS CE
MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR
SONY.

STEREO CASSETTE DECK
SONY®



FEATURES

Rigid mechanism

- The capstan shaft is directly driven by the quartz locked servo BSL (brushless and slotless) motor which provides accurate rotation.
- Two pairs of capstan shafts and pinch rollers ensure uniform tape tension and stable tape-to-head contact. As a result, wow and flutter and modulation noise are greatly reduced.
- The capstan shaft bearing plate is reinforced with 3 mm thick aluminium plate to reduce unnecessary vibration.

High quality audio amp section

- The audio amp section uses independent right and left Dolby NR ICs and has a twin-mono construction in which right and left channel parts are located symmetrically, to obtain clear stereo sound without cross-talk.
- The signal path and head coil made of LC-OFC* (Linear Crystal Oxygen Free Copper) provide high quality sound.

Independent suspension 3-head system

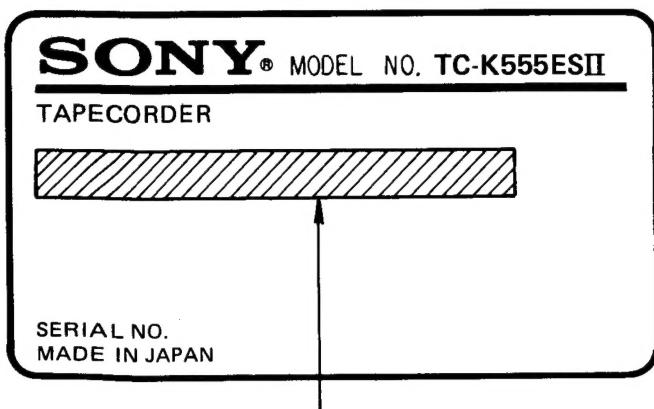
- With the independent suspension 3-head system, each head can be adjusted while it is installed in the mechanism.
- The record and playback heads are made of a laser amorphous magnetic alloy using LC-OFC winding. These highly durable heads provide a wider dynamic range and a more extended frequency response, especially in the high-frequencies.

Useful functions

- The digital linear counter indicates the recording or playback time elapsed on the tape so that the tape can be precisely indexed.
- Bright FL-display peak program meters follow the transient peaks of the music and maintain the peak readings.
- Using the optional remote control unit, various operations can be remotely controlled.
- A timer switch is provided to turn the deck on and off at preset times set using the optional timer.

MODEL IDENTIFICATION

— Specification Label —



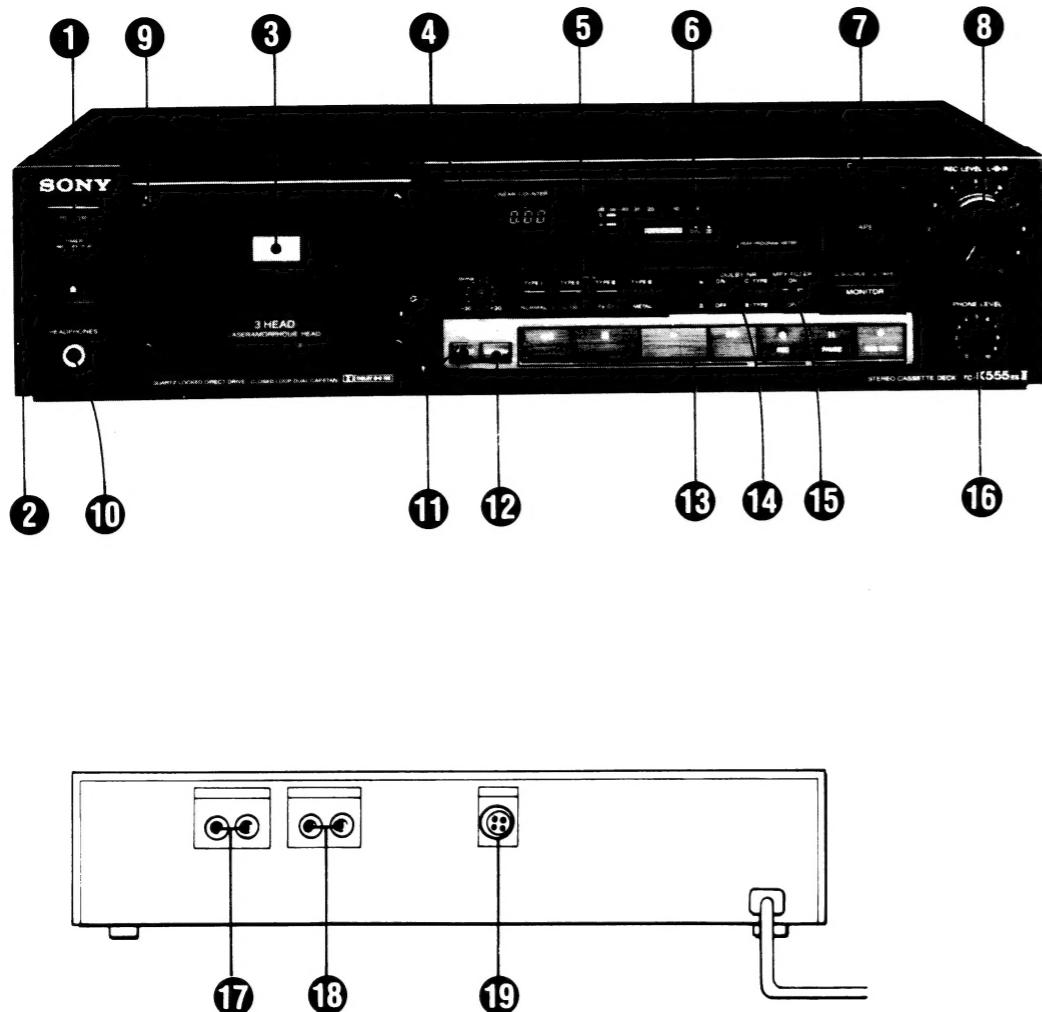
Canadian model: AC 120 V 60 Hz 30 W

AEP model: AC 220 V ~ 50/60 Hz 30 W

E model: AC 110, 120, 220, 240 V ~ 50/60 Hz 30 W

SECTION 1 OUTLINE

1-1 LOCATION AND FUNCTION OF CONTROLS



FUNCTION OF CONTROLS

① POWER switch

Depress this switch to turn on the power. The lamp in the cassette holder, the display of the peak program meter and the tape counter will light up. The indicator lamp of the II (pause) button will blink for about 3 seconds, indicating that the function buttons are inoperative during this period.

Press this switch again to turn the power off.

② TIMER switch

You can set the unit to record or playback at a predetermined time by connecting any commercially available timer. To record, set this timer switch to REC. To play back, set it to PLAY.

③ Cassette holder

Insert the cassette into this holder. If the cassette holder is not completely closed, the function buttons cannot be operated.

④ LINEAR COUNTER

This counter indicates the tape running time.

⑤ TAPE select buttons and BIAS control

Depress one of the TAPE select buttons according to the type of tape to be used. When the appropriate button is depressed, the optimum equalization and bias current settings are obtained for recording, and the optimum equalization setting is obtained for playback. When recording using a TYPE I (NORM), TYPE II (CrO₂) or TYPE III (Fe-Cr) tape, adjust the BIAS control.

⑥ Peak program meters

With the MONITOR switch set to SOURCE, the meters show the peak input level of each channel, and to TAPE, the meters show recorded levels. They follow the transient peaks of high-level inputs that are too brief to be followed by conventional VU meters so that the optimum recording level can be accurately set. The highest input of each channel is held about 2.4 seconds on the scale, except when a higher peak occurs before 2.4 seconds have passed, in which case that peak is immediately indicated.

⑦ MONITOR switch and indicator

When adjusting the recording level, set this switch to the released position (SOURCE □) to allow monitoring of the sound to be recorded. During playback, depress this switch (TAPE □) to allow monitoring of the recorded sound. According to the MONITOR switch setting, "SOURCE" or "TAPE" will appear in the indicator window. During recording, use this switch to monitor either the source or the recorded sound.

⑧ REC LEVEL (recording level) controls

These controls adjust the recording level. The knob nearest the panel is for the left channel and the other knob for the right channel. To adjust the level of the left or right channel only, turn the appropriate knob while holding the other knob.

⑨ ▲ (eject) button

Press this button to open the cassette holder.

⑩ HEADPHONES jack

Headphones may be inserted either to monitor the input signals to be recorded or to listen to a recording in the playback mode. Headphone volume is adjustable with the PHONE LEVEL control.

⑪ COUNTER RESET button

Press this button to reset the tape counter to "0.00".

⑫ COUNTER MEMORY button

Press to rewind the tape to the "0.00" point on the tape counter. The word "MEMORY" is displayed below the tape counter. Pressing the ▶ button together with the ◀ button automatically starts playback from "0.00".

When you do not use the memory function, press this button again. The word "MEMORY" will disappear.

⑬ Function buttons

It is possible to switch directly from one mode to another. The indicator lamps light when the tape deck is in the forward, record or pause mode.

◀ (rewind) button: Press this button to rewind the tape. This button is also used, with the ▶ button, to initiate auto play.

■ (stop) button: To stop the tape, press this button. The tape will stop automatically when it is completely wound in either direction.

▶ (forward) button: Press this button to play the tape back. To record, press this button while holding the ● button down.

▶▶ (fast-forward) button: Press this button to advance the tape rapidly.

● (record) button: Press this button together with the ▶ button to start recording.

■■ (pause) button: To pause for a moment during recording or playback, press this button. This button is also used to control more precisely the start of recording and to release the record muting mode.

○ (record muting) button: Press this button to eliminate unwanted material and to insert a blank space during recording.

⑭ DOLBY NR switches

The left switch turns the Dolby NR* (Noise Reduction) system on and off and the right switch selects either the B-type or C-type Dolby NR system.

To record with the Dolby NR process, depress the ON/OFF switch to the ON position and choose B-TYPE (□) or C-TYPE (△).

To record without the Dolby NR process, press the ON/OFF switch again to release.

When playing back, set these switches to the same position used in recording.

* "Dolby" and the double-D symbol are trade marks of the Dolby Laboratories Licensing Corporation. Noise reduction system manufactured under license from Dolby Laboratories Licensing Corporation.

⑮ MPX FILTER switch

Normally set this switch to OFF.

When recording FM stereo broadcasts with the Dolby NR system, set it to ON if the 19 kHz pilot signal and the 38 kHz subcarrier have not been adequately suppressed by the FM tuner or receiver. If the tuner or the receiver suppresses such signals adequately (most high-quality tuners and receivers will), you do not have to set this switch to ON.

When your tuner is not equipped with the MPX filter or when the recorded FM broadcasting sound is audibly distorted, set this switch to ON.

⑯ PHONE LEVEL control

This control adjusts the headphone level. This setting does not affect the peak program meters or the output level of the LINE OUT jacks at the rear.

Rear panel

⑰ LINE IN (line input) jacks (phono jack)

Accepts tape outputs from an amplifier for tape recording and line outputs from another tape deck when duplicating a tape from that unit.

⑱ LINE OUT (line output) jacks (phono jack)

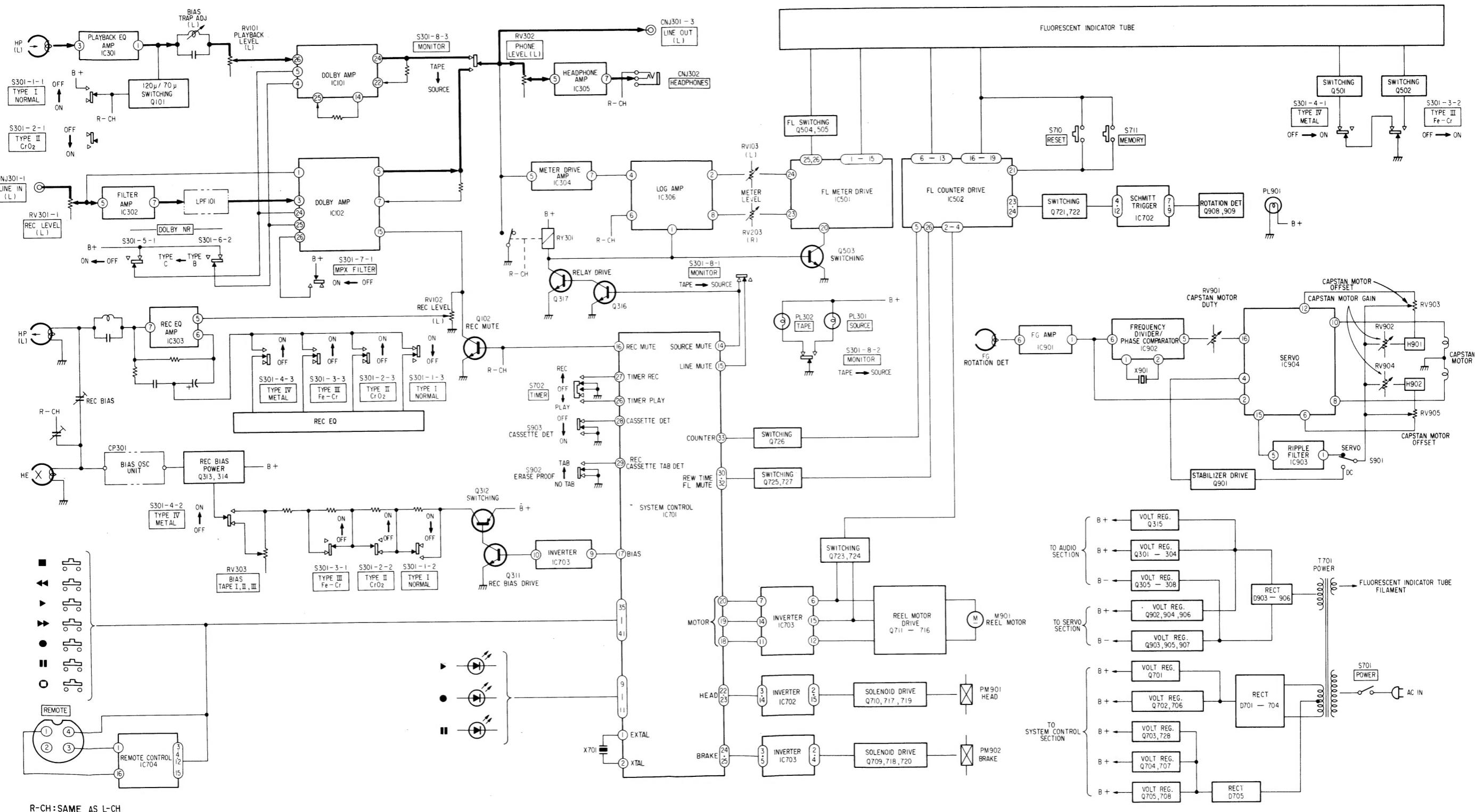
Accepts tape inputs from an amplifier for playing back a tape and line inputs from another tape deck for duplicating a tape onto that unit.

⑲ REMOTE control connector

Connect the optional RM-50, RM-51 (wired) or RM-80 (wireless) remote control unit to operate the tape transport functions from a distance. Synchronized operation is also possible with selected Sony turntables, using the optional RM-65 synchro remote control unit. Read the instruction manual of your remote control unit before operating it.

SECTION 1 OUTLINE

1-1. BLOCK DIAGRAM



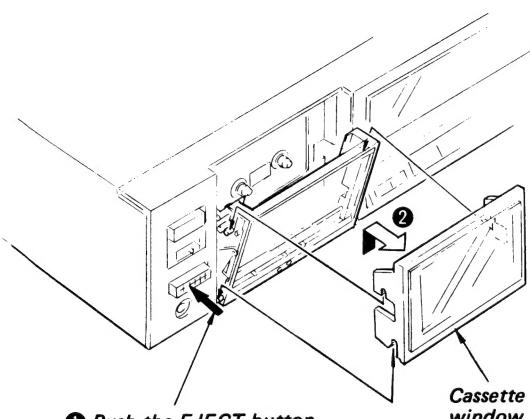
R-CH: SAME AS L-CH

SECTION 2

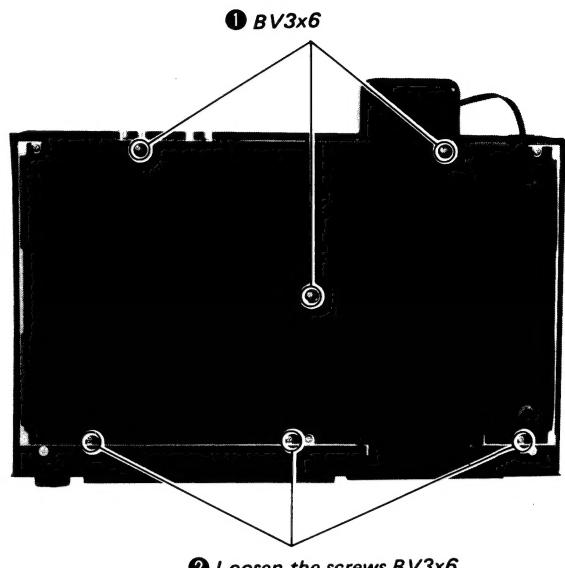
DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

CASSETTE WINDOW



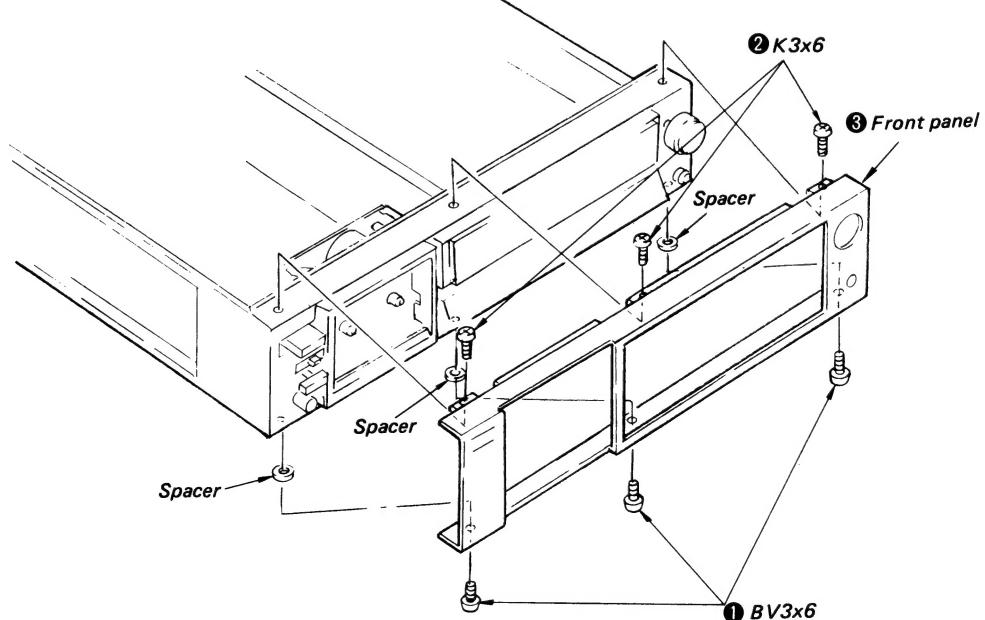
BOTTOM PLATE



CASE

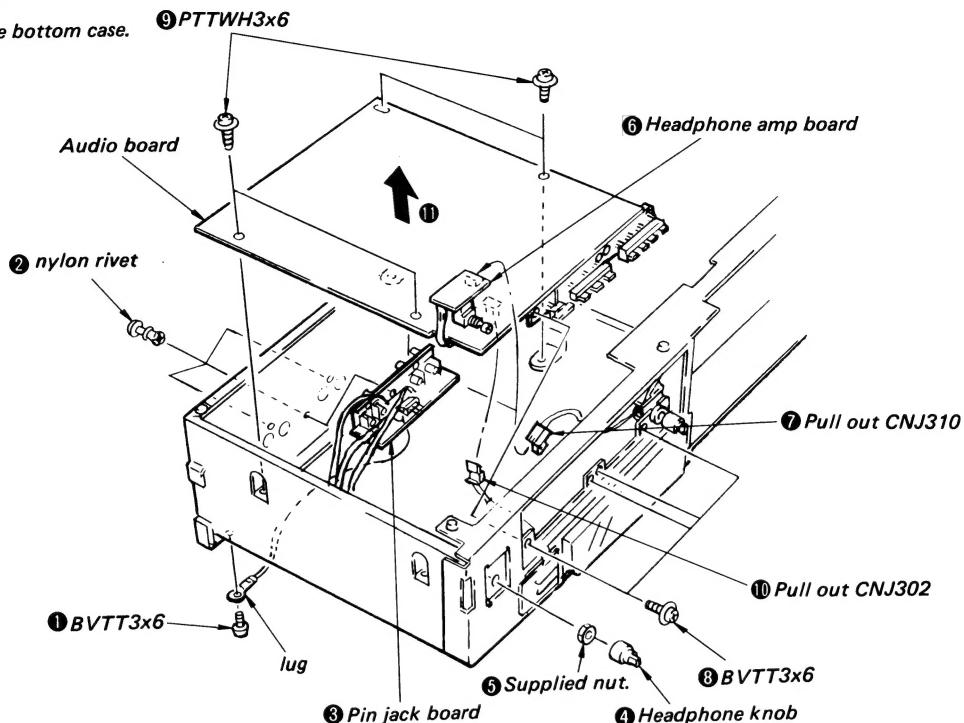
Remove four case screws at left and right side.

FRONT PANEL

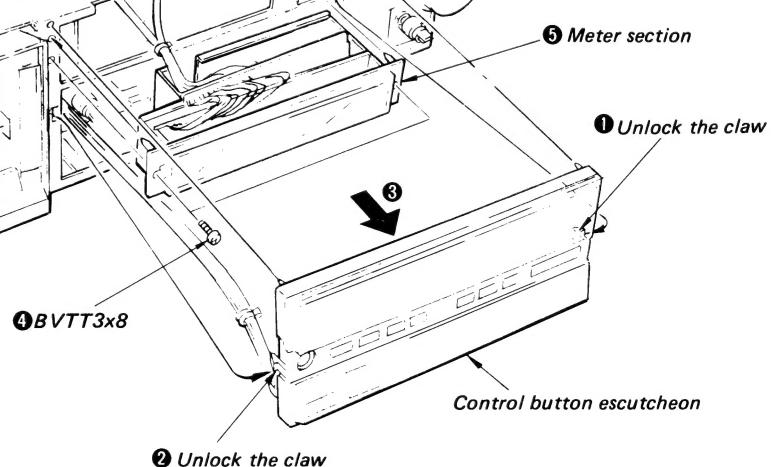


AUDIO BOARD

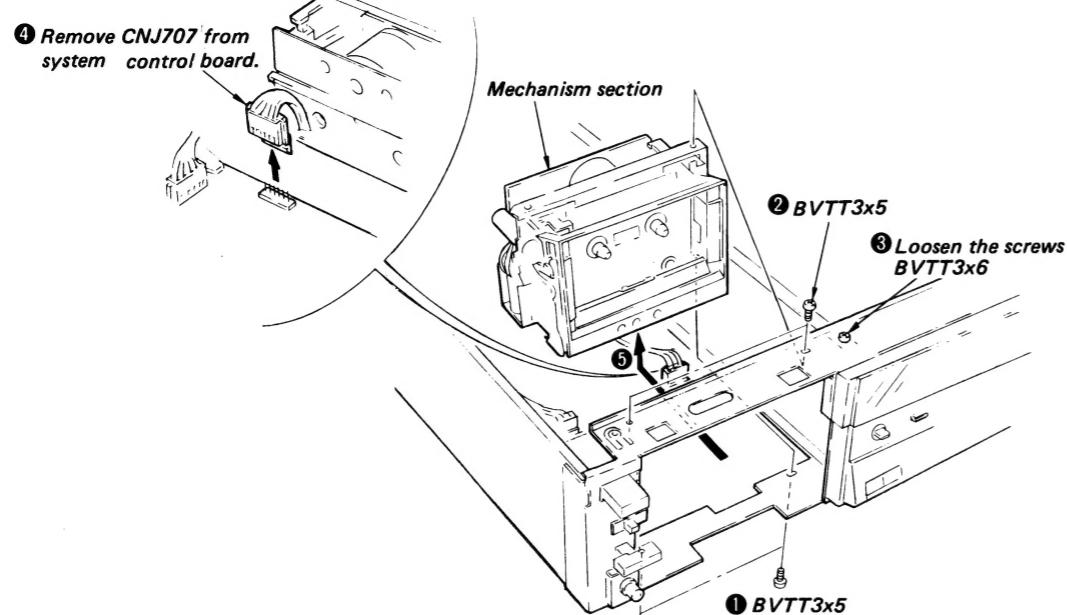
Remove the bottom case.



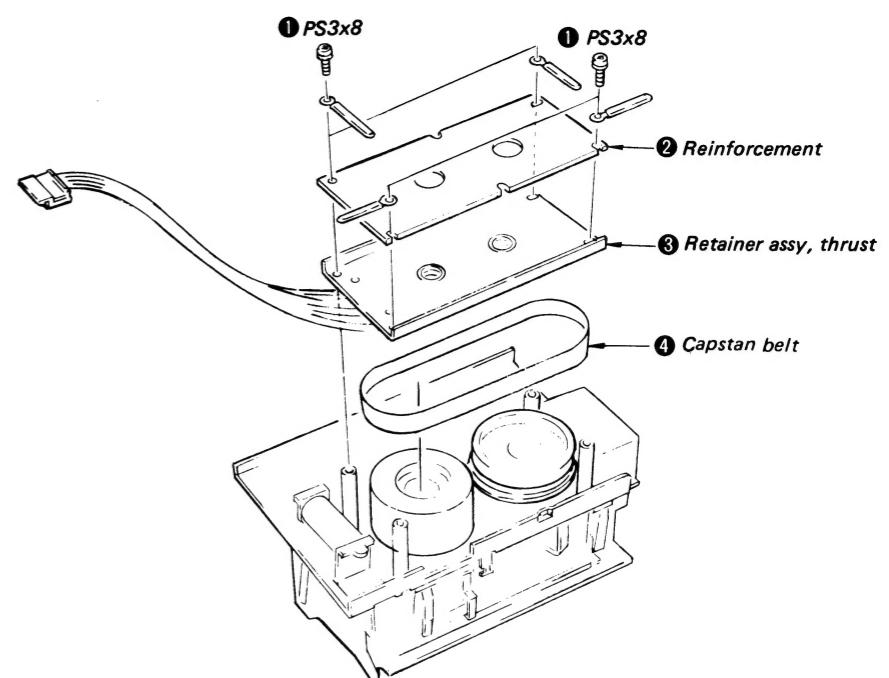
METER SECTION



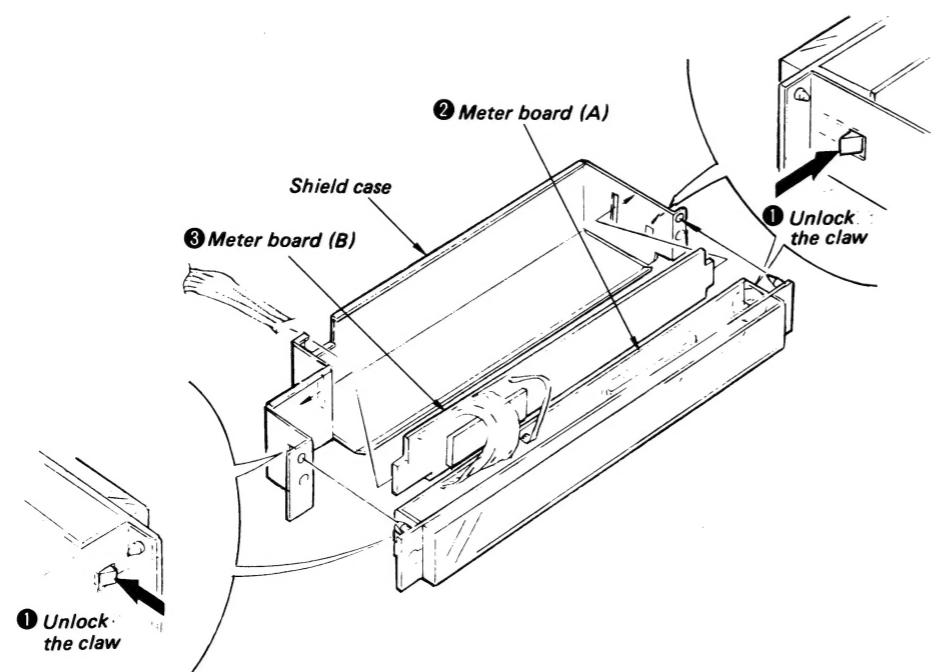
MECHANISM SECTION



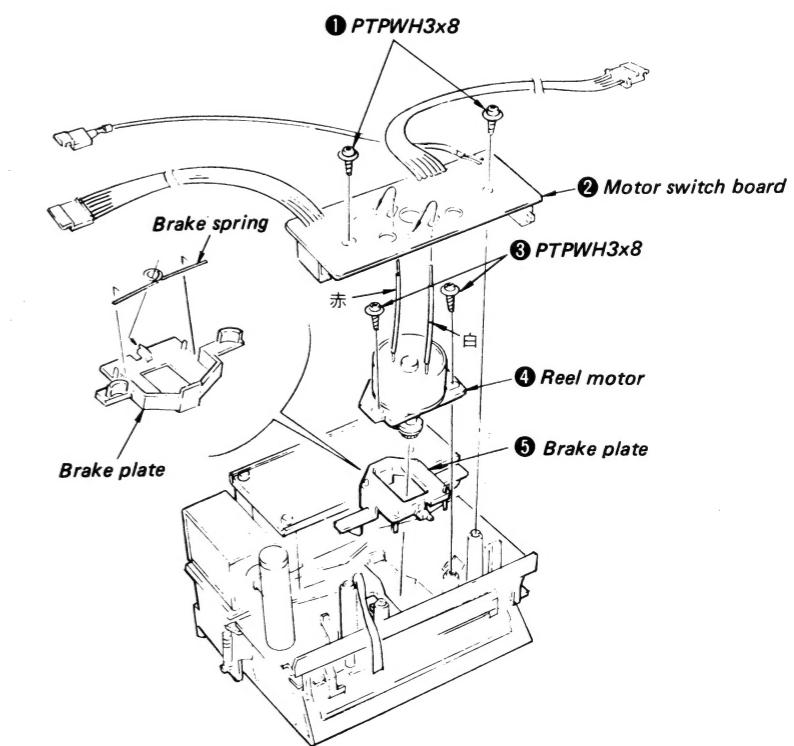
CAPSTAN BELT

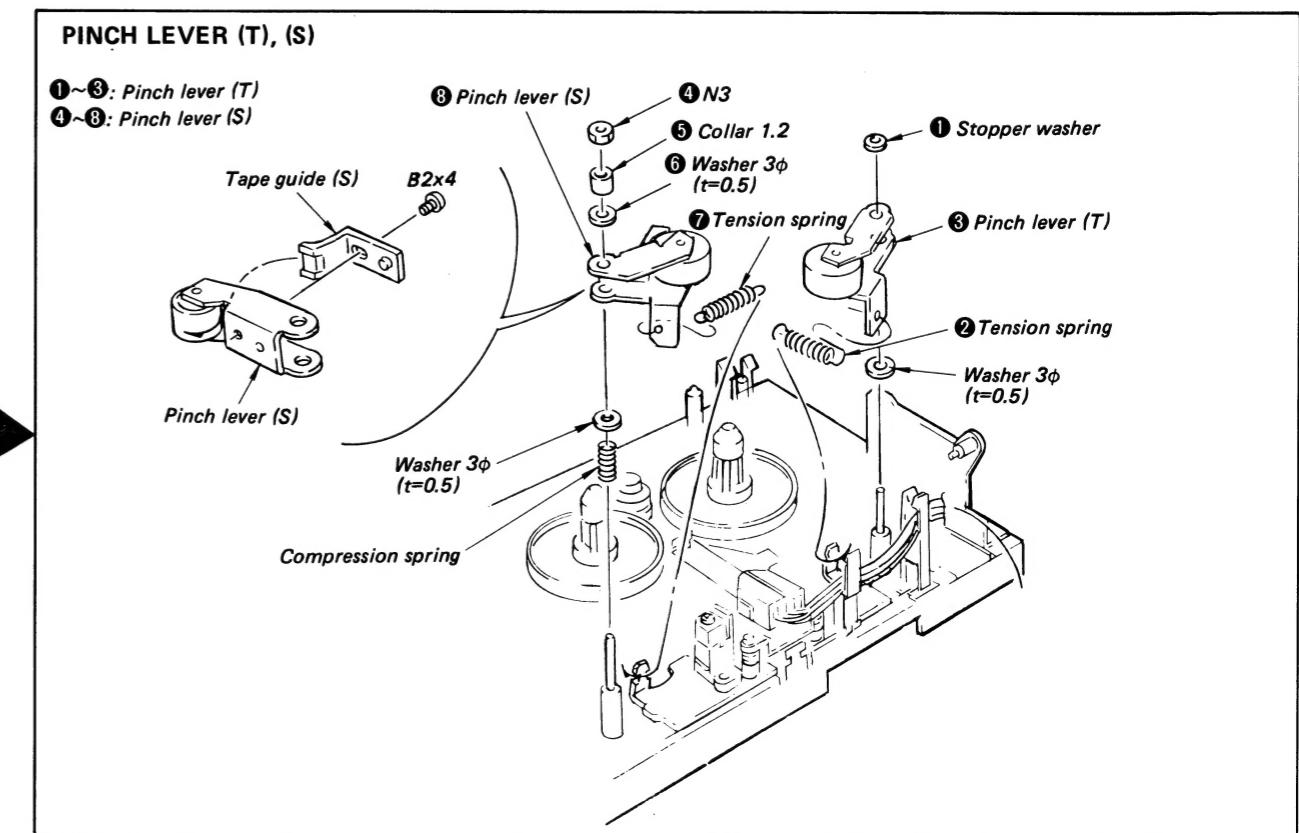
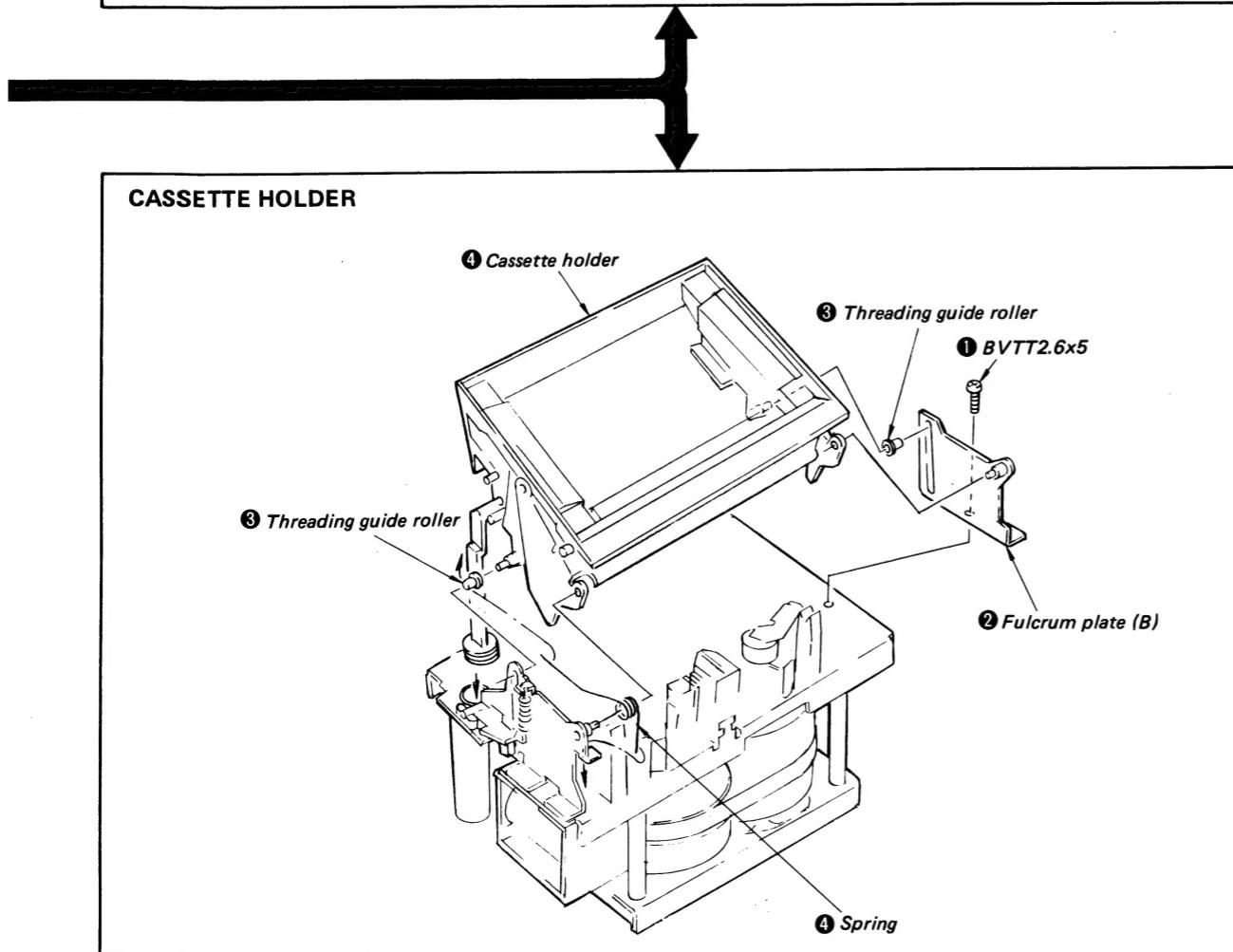
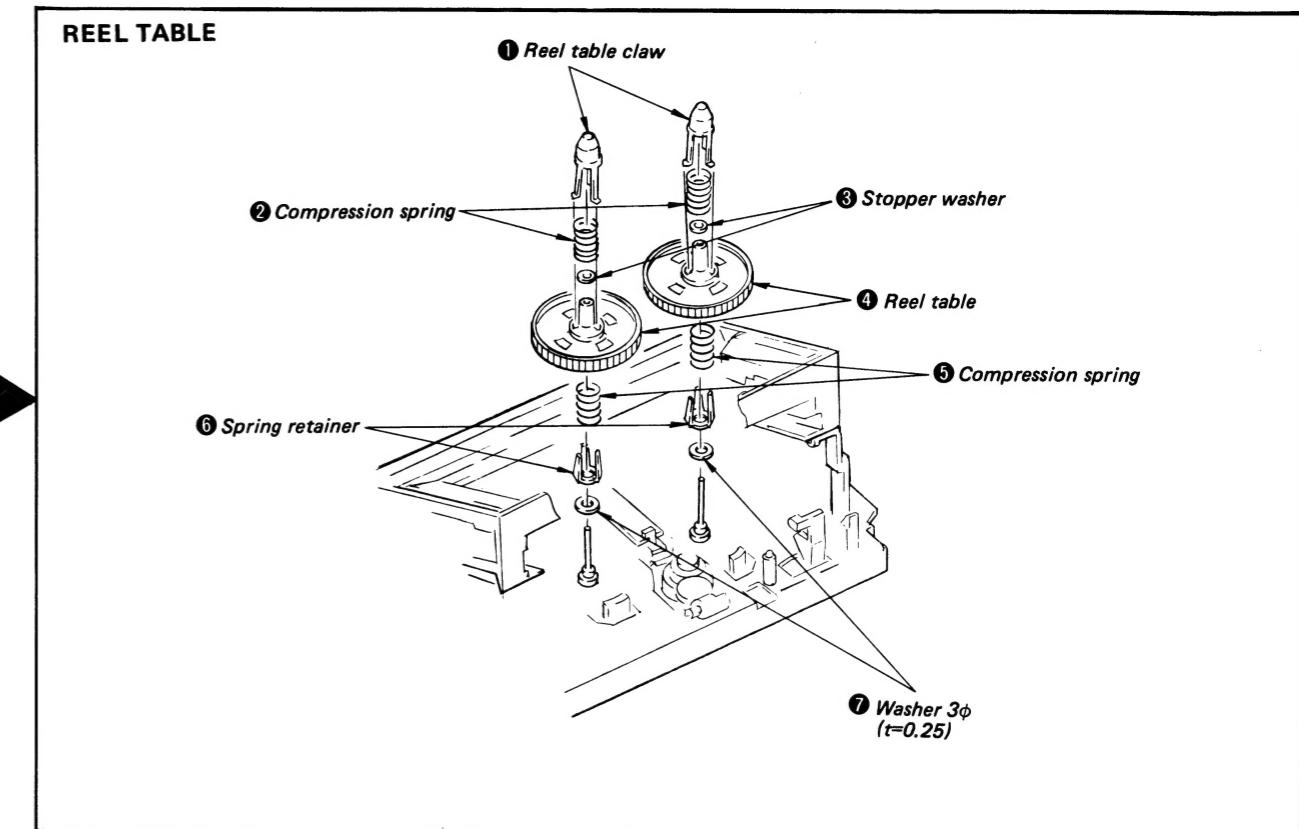
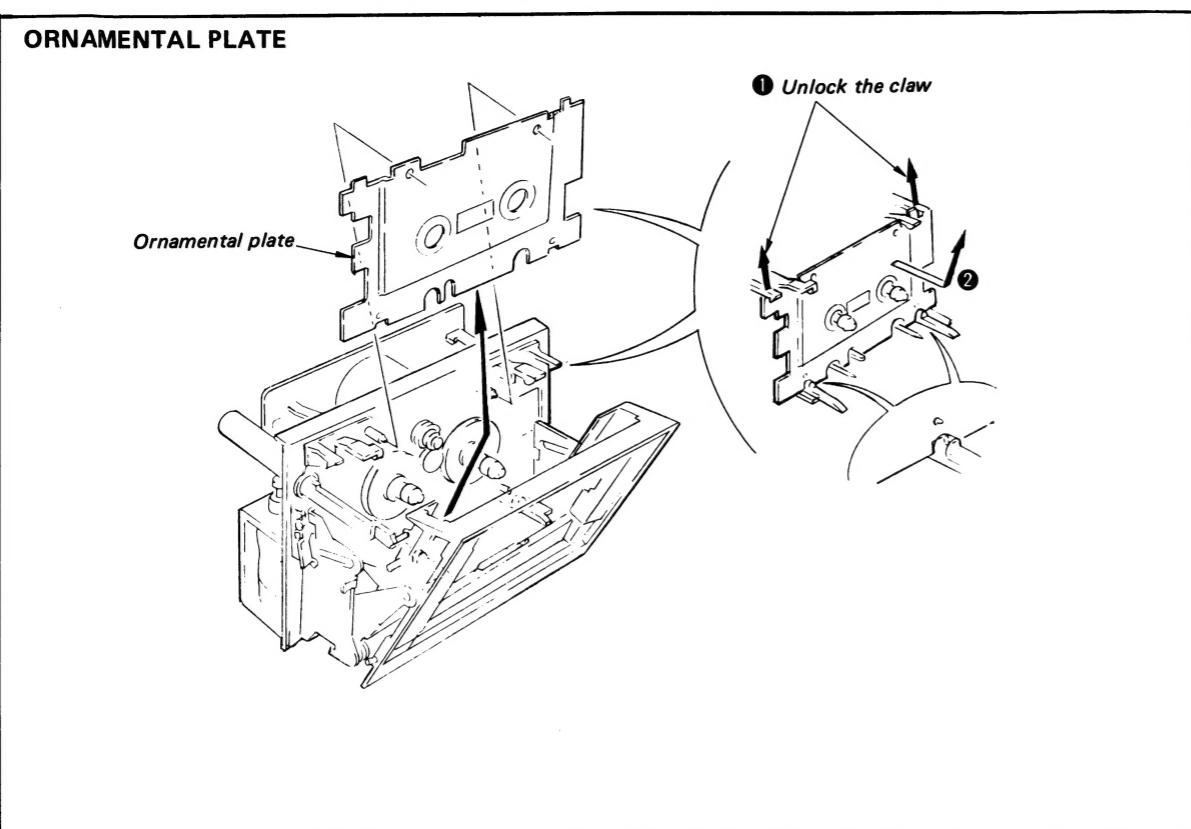


METER BOARD (A), (B)



REEL MOTOR





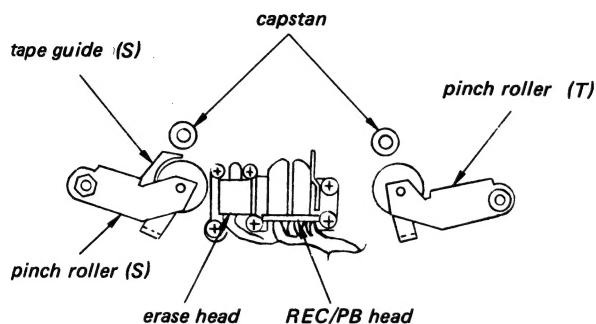
SECTION 3

ADJUSTMENTS

3-1 MECHANICAL ADJUSTMENTS

PRECAUTION

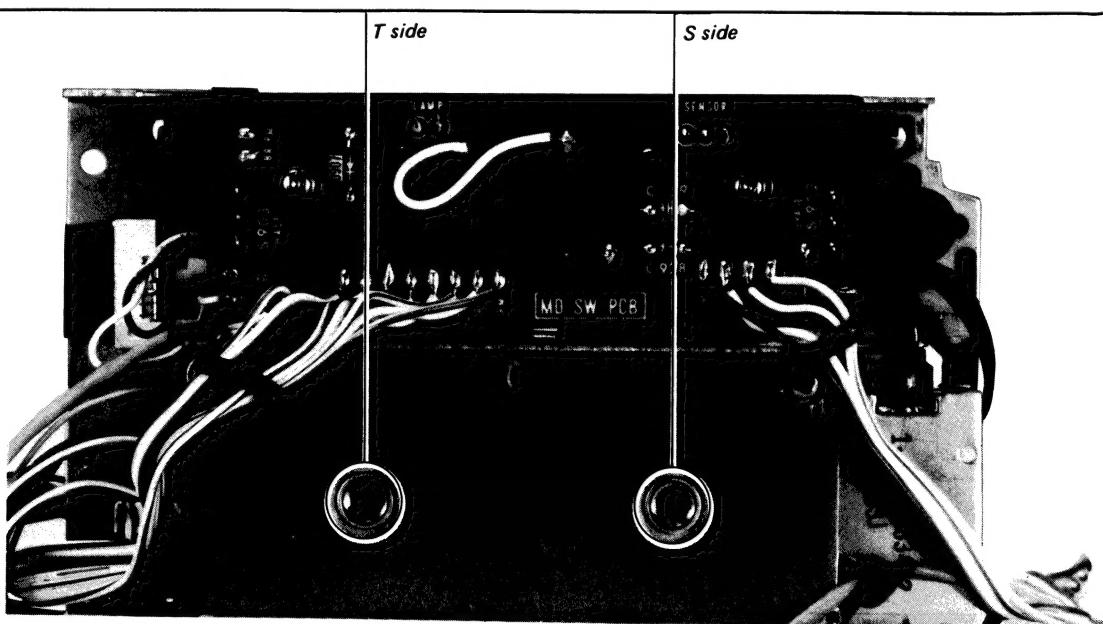
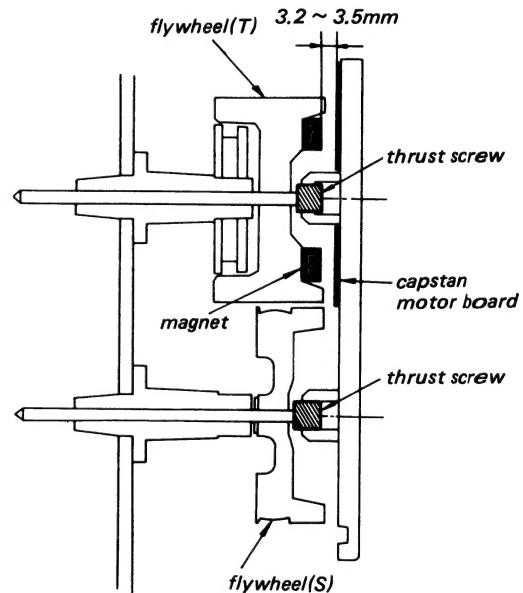
1. Clean the following parts with a denatured alcohol-moistened swab:



2. Demagnetize the record/playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Flywheel Thrust Adjustment

1. T-side flywheel thrust adjustment.
Turn the thrust screw until the clearance between the flywheel (T) and capstan motor board is 3.2 – 3.5mm.
2. S-side flywheel thrust adjustment
Lightly tighten the thrust screw clockwise until there is no play on the flywheel (S). Then loosen the thrust screw $\frac{1}{2}$ – $\frac{3}{4}$ turns from that position.
3. After the adjustment, lock the screws with locking compound.

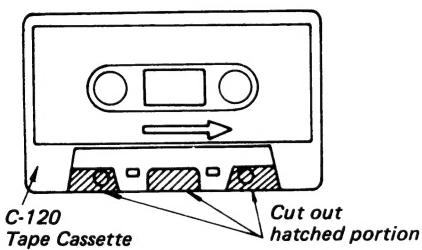


Head Height Adjustment

Procedure:

Prepare head height adjustment jig. If it is not obtained, perform the following procedures. Insert mirror tape cassette or the adjustment tape cassette illustrated below. Adjust three screws (a – b) so that tape is correctly passed in rec/pb head tape guide when head base plate is pushed by hand.

1. Prepare a mirror cassette or an adjustment cassette as shown below.



2. In FWD mode, and viewing from the front, take care to eliminate tape curl at the portion shown by the arrow in fig. a. If tape curl appears, eliminate it by moving the S-side pinch-roller tape guide up or down.

3. Apply no back tension, and make sure that tape running is straight at positions shown by (G) (H) (I) (J)

1 If tape running is meandered upwards (fig.b), incline the rec/pb head by adjusting the adjustment screws (B) (C) (See fig. c).

2 If tape running is meandered downwards (fig. b), incline the rec/pb head by adjusting the adjustment screws (B) (C) (See fig.d).

4. Make sure the height of erase head. (See fig.b). Make sure that upper core "a" is equal to lower core "b" as shown in fig.e.

1 If necessary, adjust three head adjustment screws (D) (E) (F).

2 When erase head adjustment is made, make sure that head zenith adjustment is correct. If necessary, adjust head zenith adjustment screw (D).

Adjustment location

Tape curl adjustment screw in fig-b.

(An extent of adjustment screw is with in $1/2$ turn.)

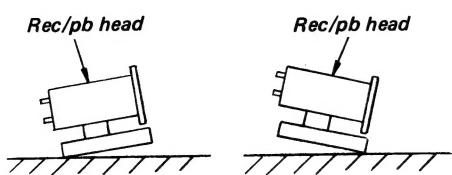
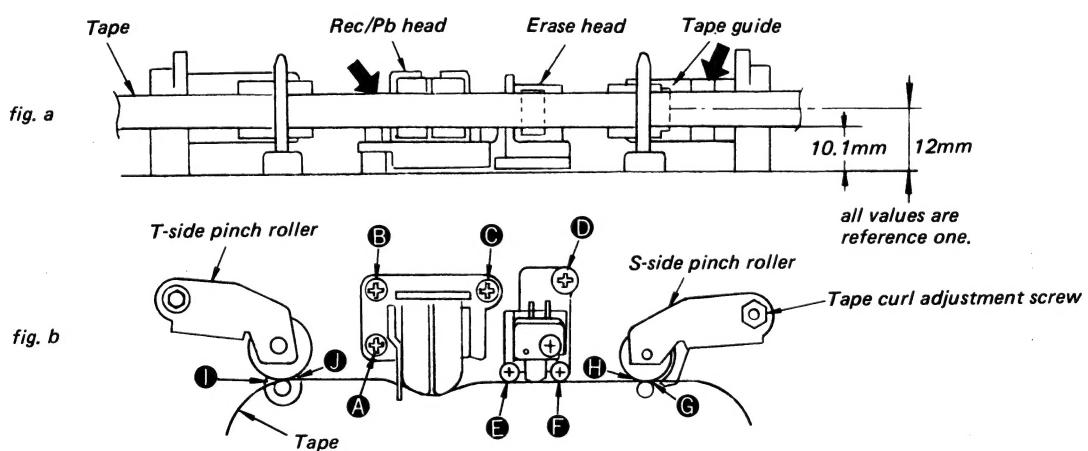


fig-c

fig-d

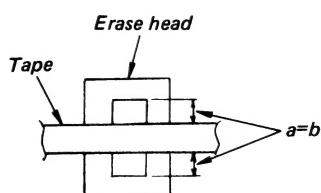
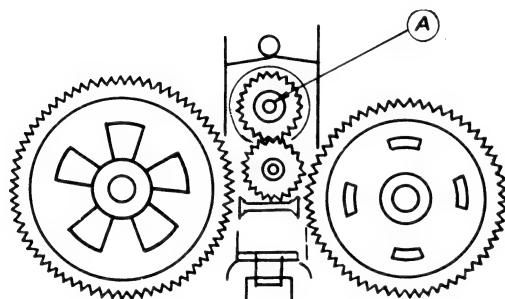


fig - e

Forward Torque Adjustment

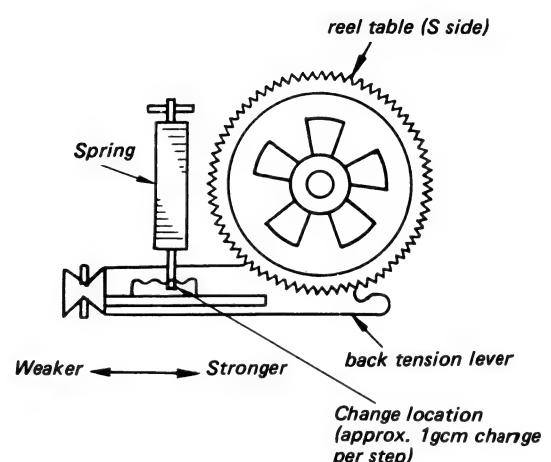
1. Remove the ornamental plate.
2. Press the cassette detection switch and T side reel table simultaneously by hand and then press the forward button. In this state, hold the T reel table so that it does not rotate.
3. Now adjust RV701 to the position where (A) begins to rotate.
(It will shut off immediately, so press the forward button to repeat.)



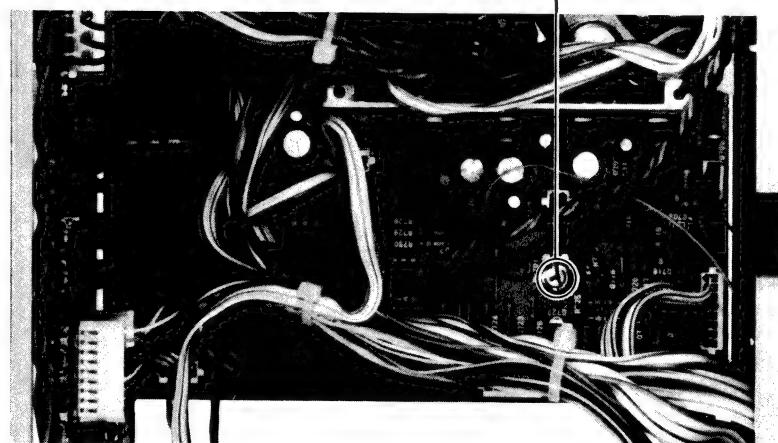
4. Next insert CQ-102C, and measure forward torque and back tension torque. If back tension torque is not within the specifications, change the location where the spring is hooked.

Specifications:

forward torque: $30 - 60 \text{ g} \cdot \text{cm}$
back tension torque: $7 - 10.5 \text{ g} \cdot \text{cm}$



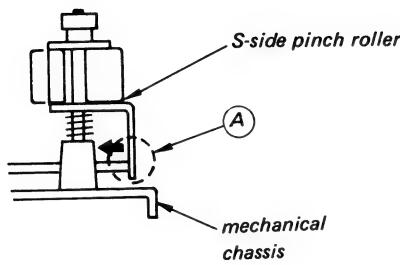
RV701



Pinch Roller Pressure Check

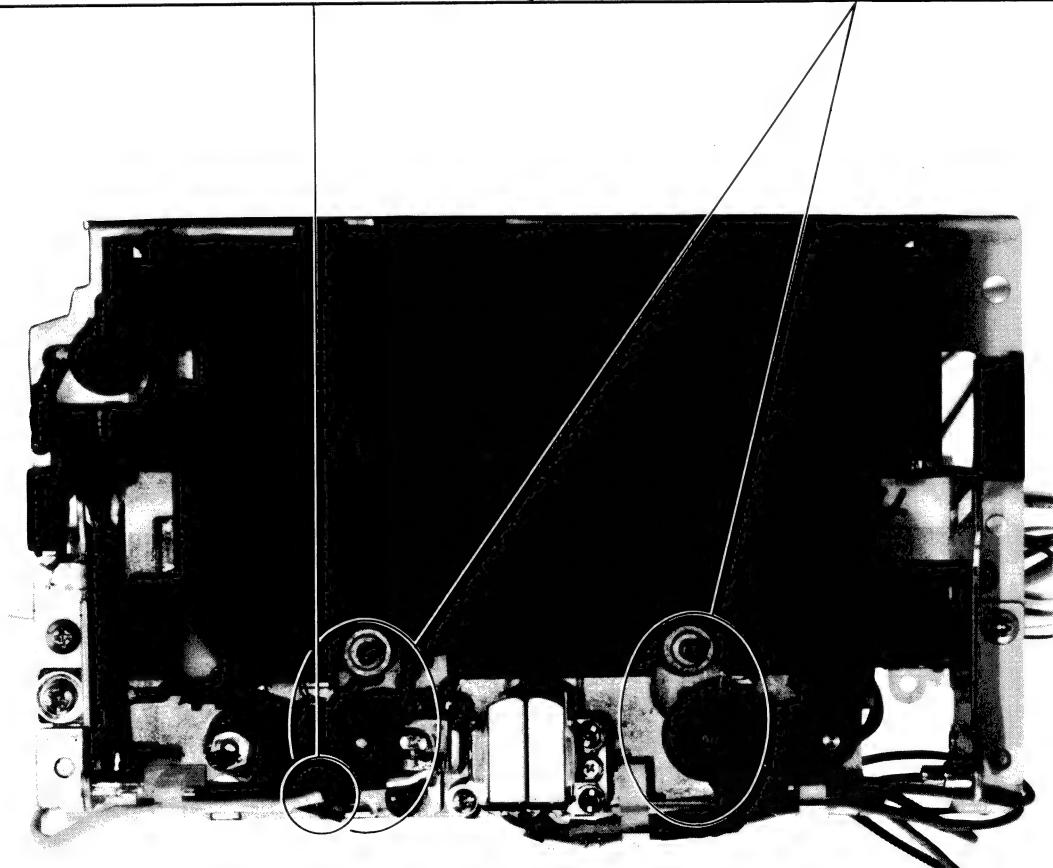
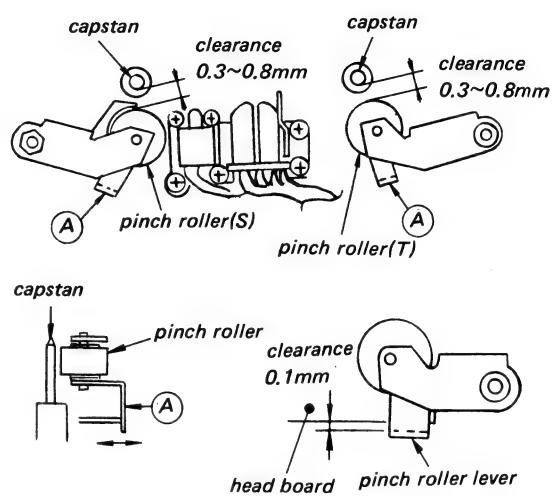
Slowly push the head base plate upward.

Confirm that T-side pinch roller begins to rotate earlier than S-side pinch roller.

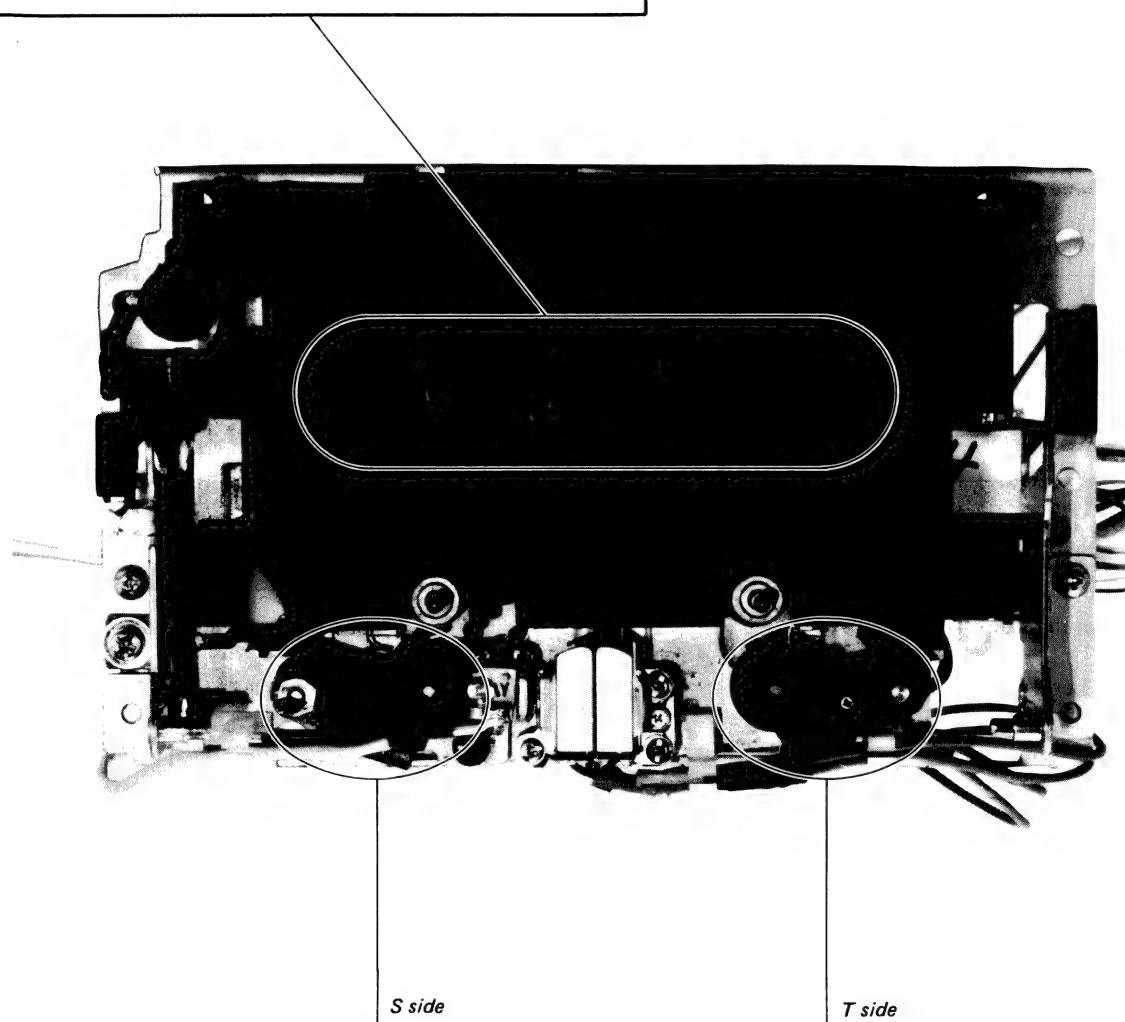


Pinch Roller Clearance Adjustment

1. Confirm that the clearance between the pinch roller and capstan is more than 0.3 mm in pause mode.
2. If it is less than 0.3 mm, bend (A) in the direction of the arrow.



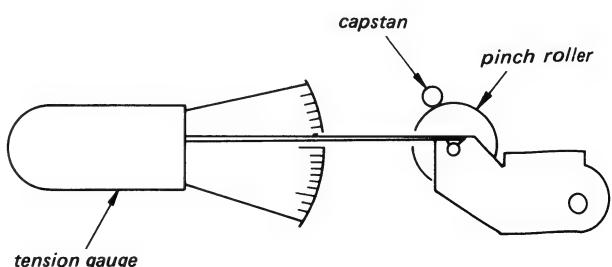
TORQUE	TORQUE METER	SPECIFICATION
FF, REW	CQ201B	60~120g·cm



Pinch Roller Pressure Measurement

1. Confirm that the pinch roller is parallel to the capstan.
2. Set in forward, move the pinch roller away from the capstan, then back toward it, and measure the value at the point where the pinch roller begins to rotate.

T side 270 – 330 g
 S side 180 – 280 g



3-2. ELECTRICAL ADJUSTMENTS

- The adjustments in the following sections are to be performed with the mechanism deck in the set.
- The adjustment should be performed in the order given in this service manual.
- The adjustments should be performed for both L-CH and R-CH.
- Set the TAPE select switches according to the tape as follows.

tape	TAPE select switch
CS-15	TYPE I
CS-26	TYPE II
CS-30	TYPE III
CS-40	TYPE IV

Switch position

DOLBY NR OFF
 TAPE TYPE 1
 MPX FILTER OFF
 TIMER OFF

Standard Record:

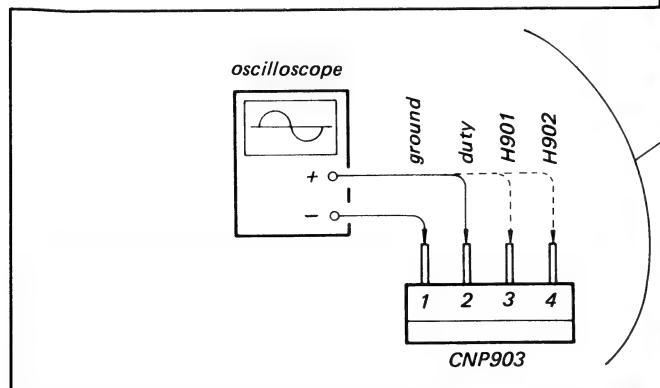
Deliver the standard input signal level to the input jack and set the REC LEVEL control to obtain the standard output signal level.

Standard Input Level

	LINE IN
source impedance	10kΩ
input level	0.25V (-10dB)

Standard Output Level

	LINE OUT
load impedance	47kΩ
output level	0.44V (-5dB)



Capstan Motor Adjustment

Procedure:

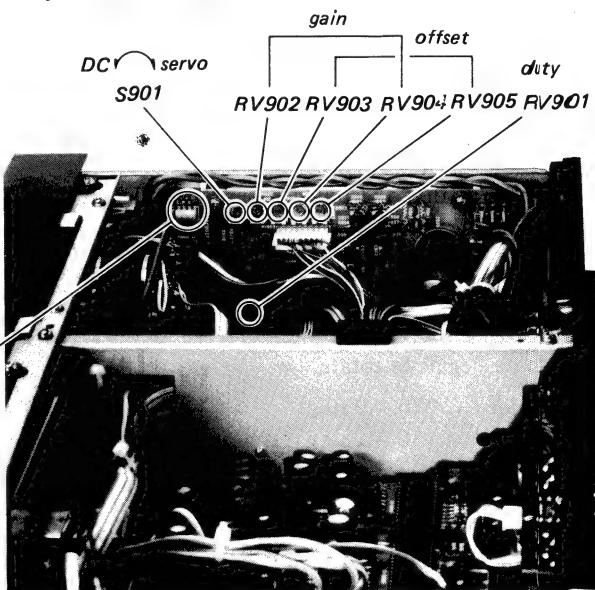
— Mode:stop —

- Set S901 to DC side (turn fully counterclockwise).
- Connect the oscilloscope to test point CNP903 pin ③ (H901) and pin ④ (H902) and adjust RV902 (H901) and RV904 (H902) for the specified voltage values.
...gain adjustment
- Next adjust RV903 (H901) and RV905 (H902) for the specified voltage values.
...offset adjustment
- Set S901 to SERVO (turn fully clockwise).
- Connect the oscilloscope to test point CHP903 pin ② and adjust RV901 so that the waveform is as specified.
...duty adjustment

Specification:

	measure terminal	adjustment resistor	oscilloscope reading
gain	CNP 903 ③	RV902	 A=6.6~7.4Vp-p
	CNP 903 ④	RV904	
offset	CNP 903 ③	RV903	OV
	CNP 903 ④	RV 905	
duty	CNP 903 ②	RV 901	 2V A:B = 7:3

Adjustment location

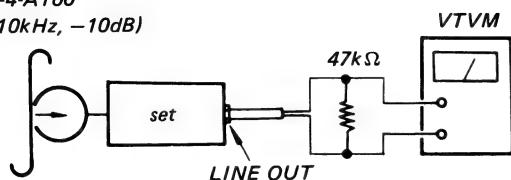
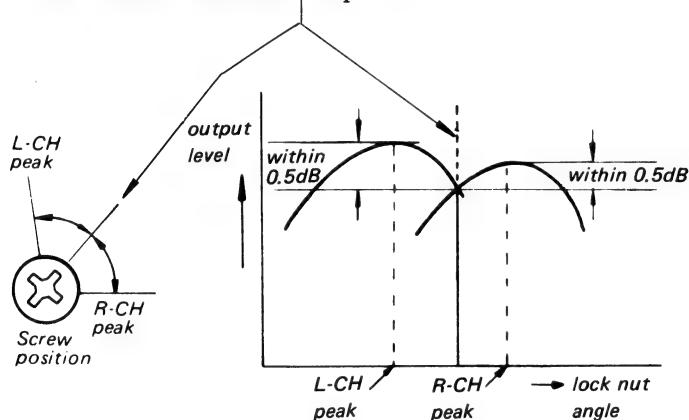


Playback Head Azimuth Adjustment

Procedure:

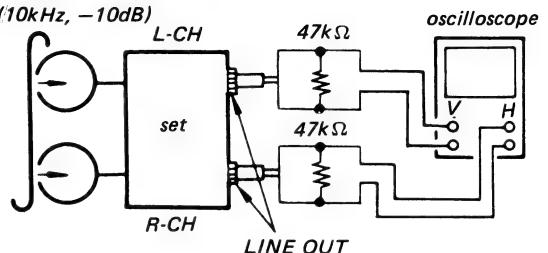
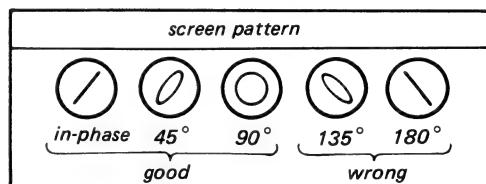
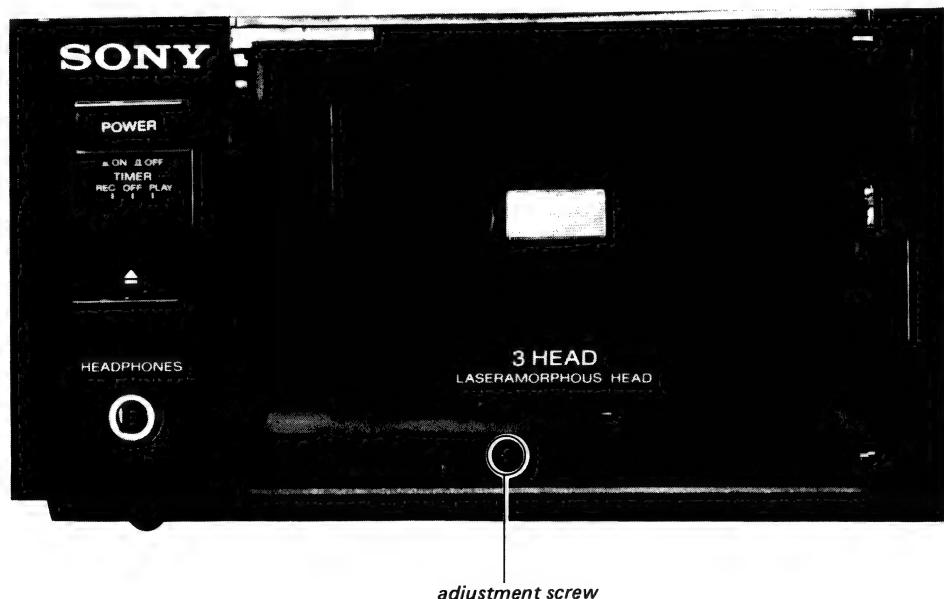
1. Mode: playback

test tape
P-4-A100
(10kHz, -10dB)

2. Adjust the lock nut so that L-CH and R-CH output is maximum. When the maximum points of L-CH and R-CH are not the same, adjust to the point where they match within 0.5dB of each channel's maximum output value.3. Phase Check

Mode: playback

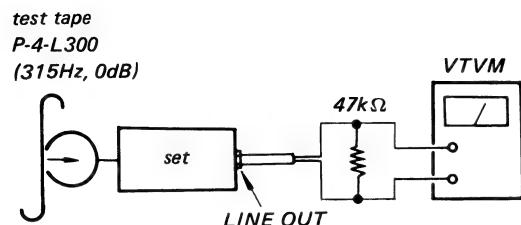
test tape
P-4-A100
(10kHz, -10dB)

4. Confirm that L-CH and R-CH phase difference is between in-phase and 90°.**Adjustment Location:**

Playback Level Adjustment

Procedure:

1. Mode: playback

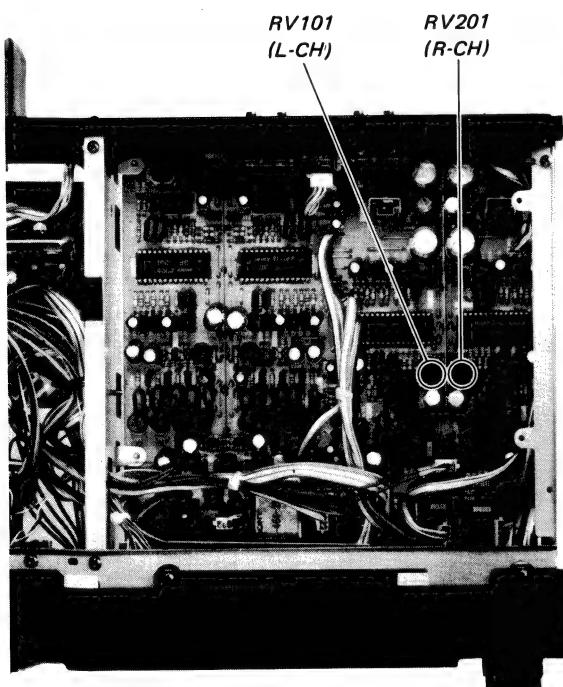


2. Adjust RV101 (L-CH) and RV201 (R-CH) to obtain the specified LINE OUT level.

Specification: LINE OUT level: 0.42 – 0.46V
(-5.5 to -4.5dB)

Level difference between channels: less than 0.5dB

Adjustment Location: audio board



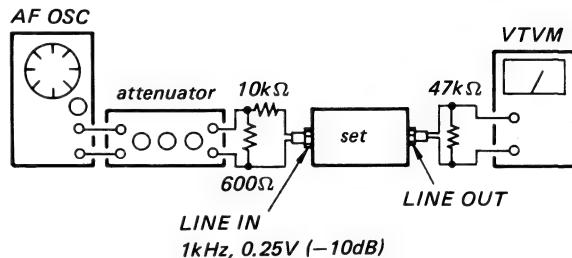
Meter Level Adjustment

Setting:

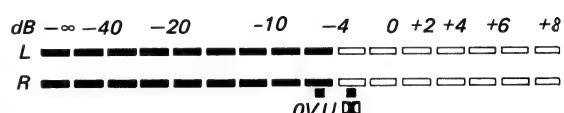
MONITOR switch: SOURCE

Procedure:

1. Mode: record

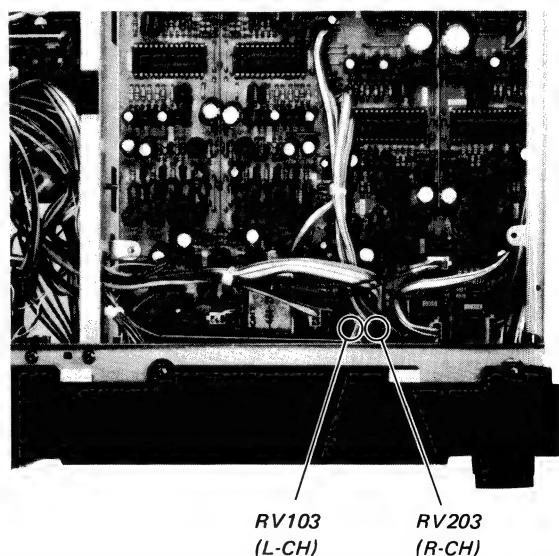


2. Adjust the RECLEVEL control for -5dB (0.44V) LINE OUT level. At this time, adjust RV103 (L-CH) and RV203 (R-CH) for the point where meter OVU (-4dB) section segments lights up.



3. Adjust REC LEVEL control for 8dB (1.9V) LINE OUT level. Confirm that all the meter segments light up at this time.

Adjustment Location: audio board



Record Head Azimuth Main Adjustment

Setting:
REC LEVEL control: standard record
(See page 18.)

Procedure:

1. Turn CP301 fully clockwise, and $1/2$ – 1 turn counterclockwise.
2. Mode: record

3. Mode: playback

4. Adjust the screw for maximum L-CH, R-CH output.

5. When L-CH and R-CH output maximum values are not the same, adjust the screw so that they match, within 1dB level down from the maximum value.

Record Bias Adjustment

Setting:
REC LEVEL control: standard record
(See page 18.)

Procedure:

1. Mode: record

2. Mode: playback

3. Adjust CP301 (L-CH and R-CH) so that the LINE OUT level of 10kHz signal is 0 ± 0.5 dB relative to that of 315Hz.

Adjustment Location: audio board

Record Level Adjustment

Setting:
REC LEVEL control: standard record
(See page 18.)

Procedure:

1. Mode: record

2. Mode: playback

3. Adjust RV102 (L-CH) and RV102 (R-CH) to obtain the specified LINE OUT level.

Specification:
LINE OUT level: $0.42 - 0.46$ V
(-5.5 to -4.5 dB)

Adjustment Location: audio board

Bias Trap Adjustment

Setting:
Tape select switch: TYPE IV
REC LEVEL knob: Standard recording position (See page 18.)

Procedure:

1. Record mode (with no signal)

2. Set the monitor switch to TAPE.
Adjust L101(L-CH) and L201(R-CH) so that VTVM reads minimum. The specification should be less than 4.4 mV (-45 dB).

3. Set the monitor switch to SOURCE.
Make sure that VTVM reads less than 0.44 mV (-65 dB).

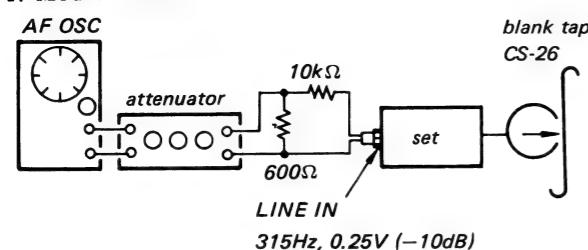
Adjustment location: audio board

Record Level Adjustment**Setting:**

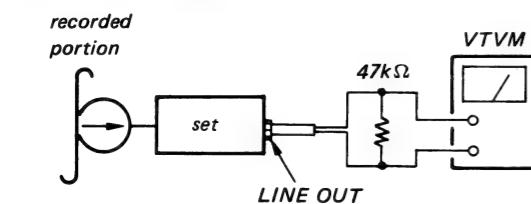
REC LEVEL control: standard record
(See page 18.)

Procedure:

1. Mode: record



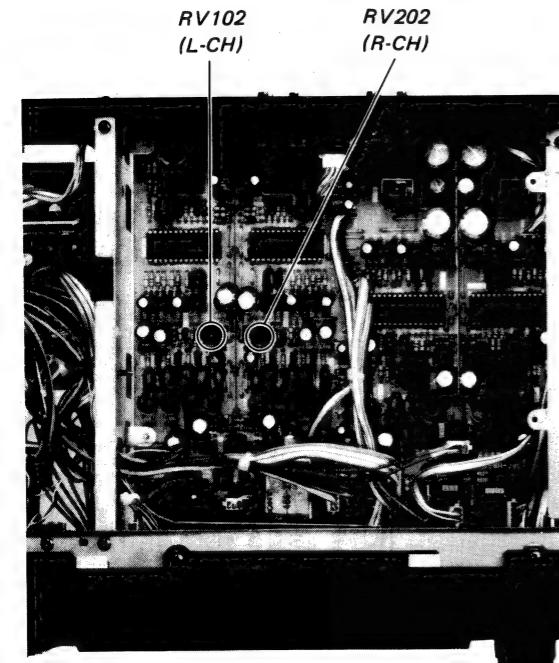
2. Mode: playback



3. Adjust RV102 (L-CH) and RV102 (R-CH) to obtain the specified LINE OUT level.

Specification:

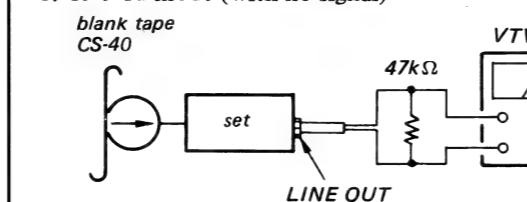
LINE OUT level: 0.42 – 0.46V
(-5.5 to -4.5dB)

Adjustment Location: audio board**Bias Trap Adjustment****Setting:**

Tape select switch: TYPE IV
REC LEVEL knob: Standard recording position (See page 18.)

Procedure:

1. Record mode (with no signal)

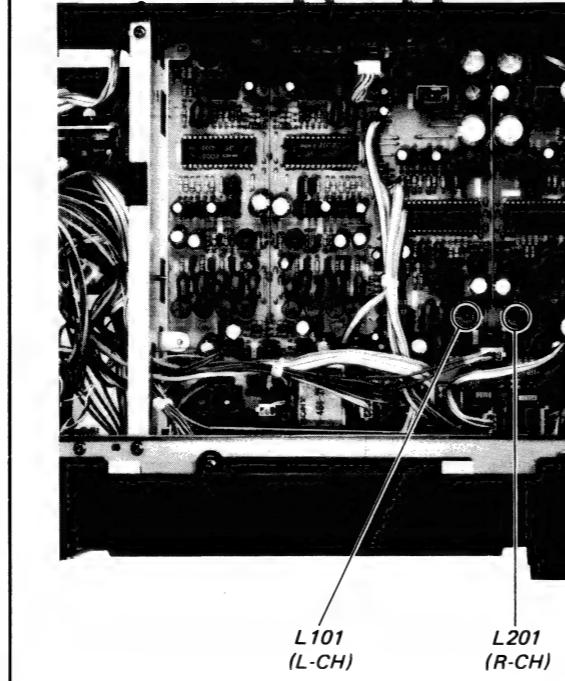


2. Set the monitor switch to TAPE.

Adjust L101(L-CH) and L201(R-CH) so that VTVM reads minimum. The specification should be less than 4.4mV (-45dB).

3. Set the monitor switch to SOURCE.

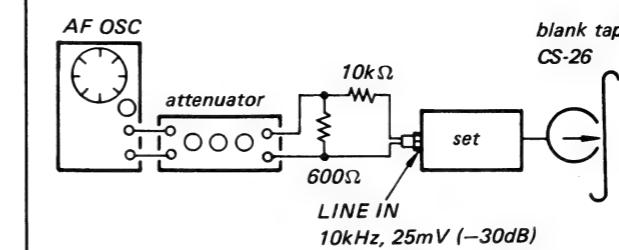
Make sure that VTVM reads less than 0.44mV (-65dB).

Adjustment location: audio board**Record Head Azimuth Temporary Adjustment****Setting:**

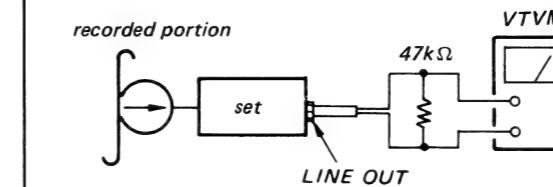
REC LEVEL control: standard record
(See page 18.)

Procedure:

1. Mode: record

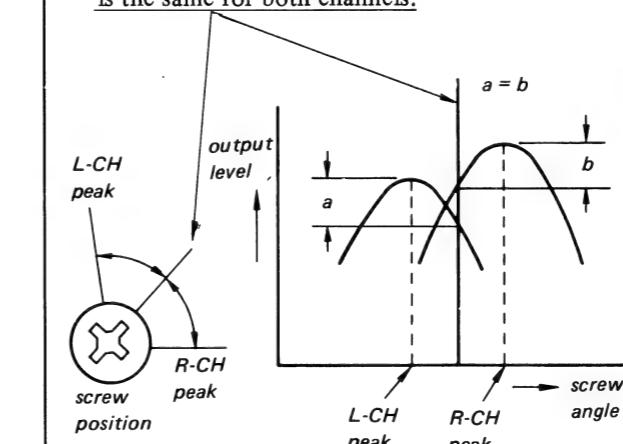


2. Mode: playback



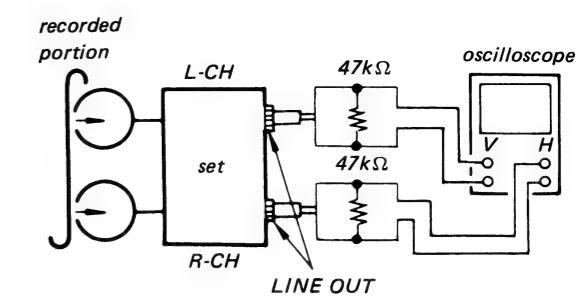
3. Adjust the screw for maximum L-CH, R-CH output.

4. When the maximum points of L-CH and R-CH output are not the same, adjust the screw so that they match, and so that the level down amount is the same for both channels.

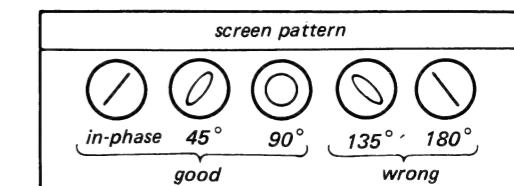


5. Phase Check

Mode: playback



6. Confirm that L-CH and R-CH phase difference is between in-phase and 90°.



7. Repeat record bias adjustment.
(See page 21)

Adjustment Location:

SECTION 4 DIAGRAMS

4-1 MOUNTING DIAGRAM —Audio Section—

Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Note:

- Components for right channel have same values as for left channel. Reference numbers are coded from
- All capacitors are in μF unless otherwise noted. $\text{pF} : \mu\mu\text{F}$ 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in ohms, $\frac{1}{4}\text{W}$ unless otherwise noted. $\text{k}\Omega : 1000\Omega$, $\text{M}\Omega : 1000\text{k}\Omega$
-  : internal component.
-  : adjustment for repair.
-  : $\text{B}+$ bus.
-  : $\text{B}-$ bus.
- Voltages are dc with respect to ground unless otherwise noted.
- [] : REC
- AC voltage readings in the bias oscillator with a VTVM.
- Switch

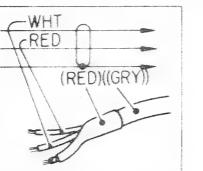
Ref. No.	Switch	Position
S301-1	TYPE I/NORMAL	ON
S301-2	TYPE II/CrO ₂	OFF
S301-3	TYPE III/Fe-Cr	OFF
S301-4	TYPE IV/METAL	OFF
S301-5	DOLBY NR-ON/OFF	OFF
S301-6	DOLBY NR-B-TYPE/C-TYPE	
S301-7	MPX FILTER	OFF
S301-8	MONITOR	TYPE

 : Signal path

Note: Voltages are measured with a VOM (50k Ω /V).

Note:

- Color code of slewing over the end of the jacket.



 : parts extracted from the component side.

 : $\text{B}+$ pattern

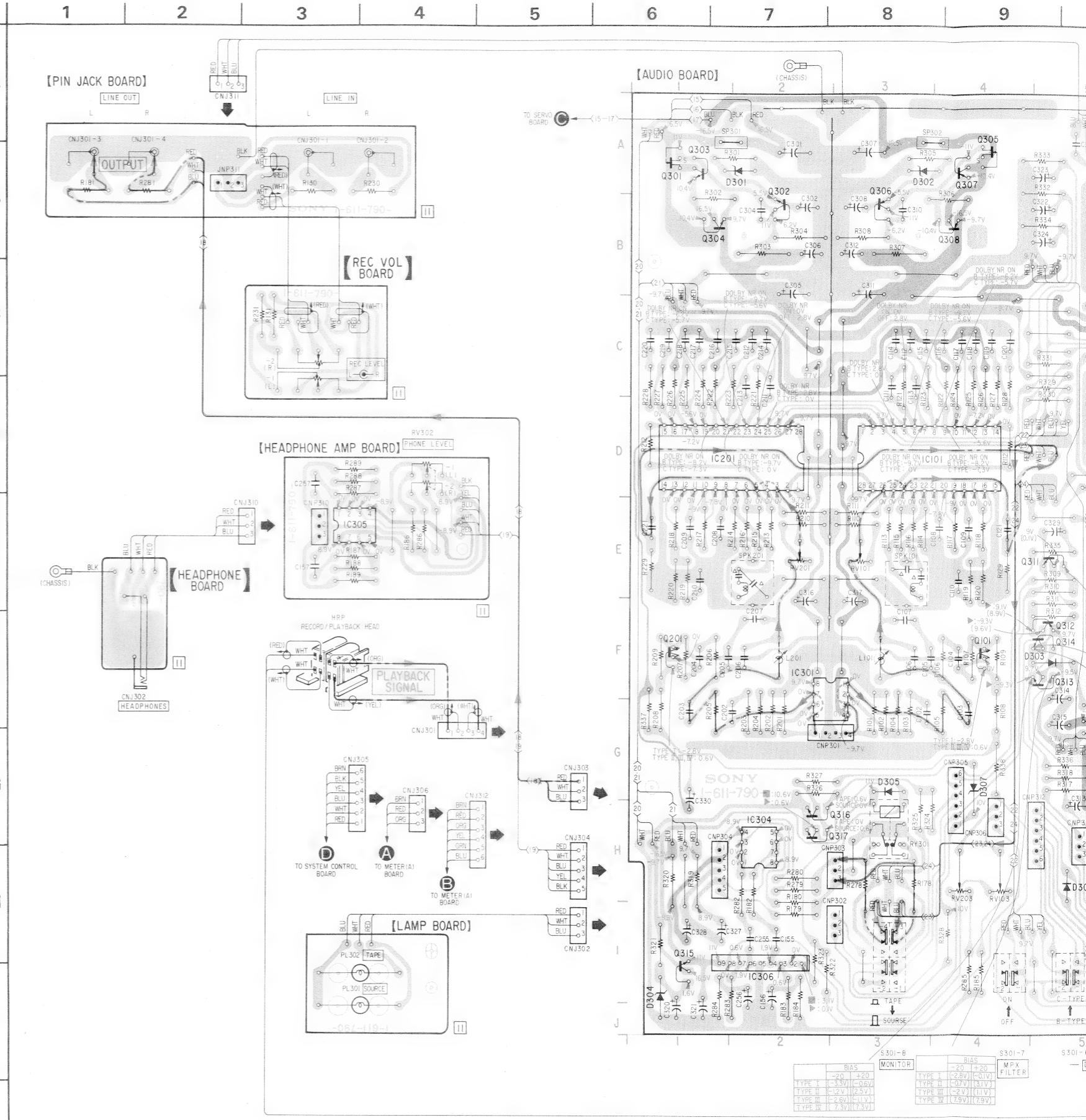
 : $\text{B}-$ pattern

 : signal path

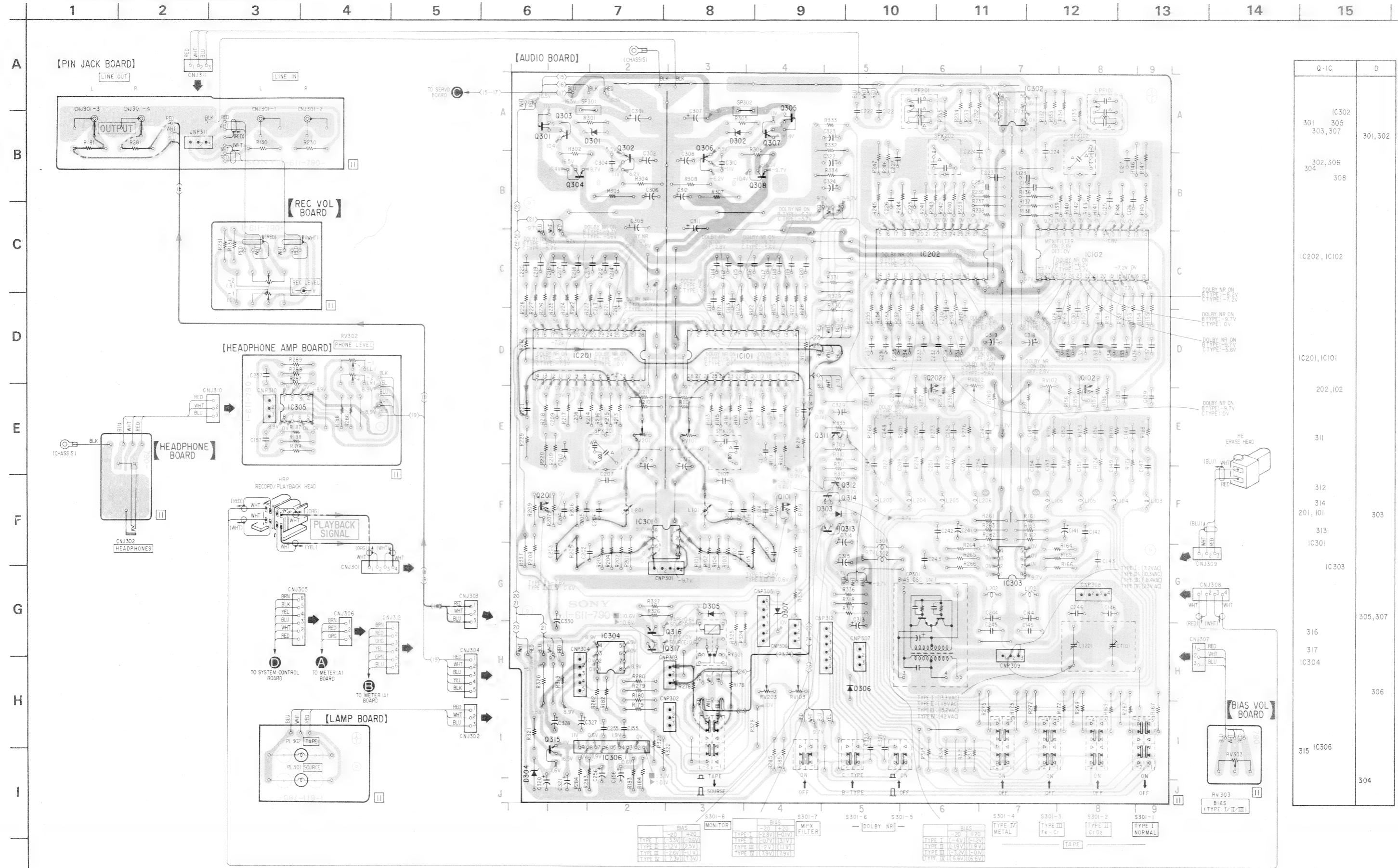
 : L-CH signal path

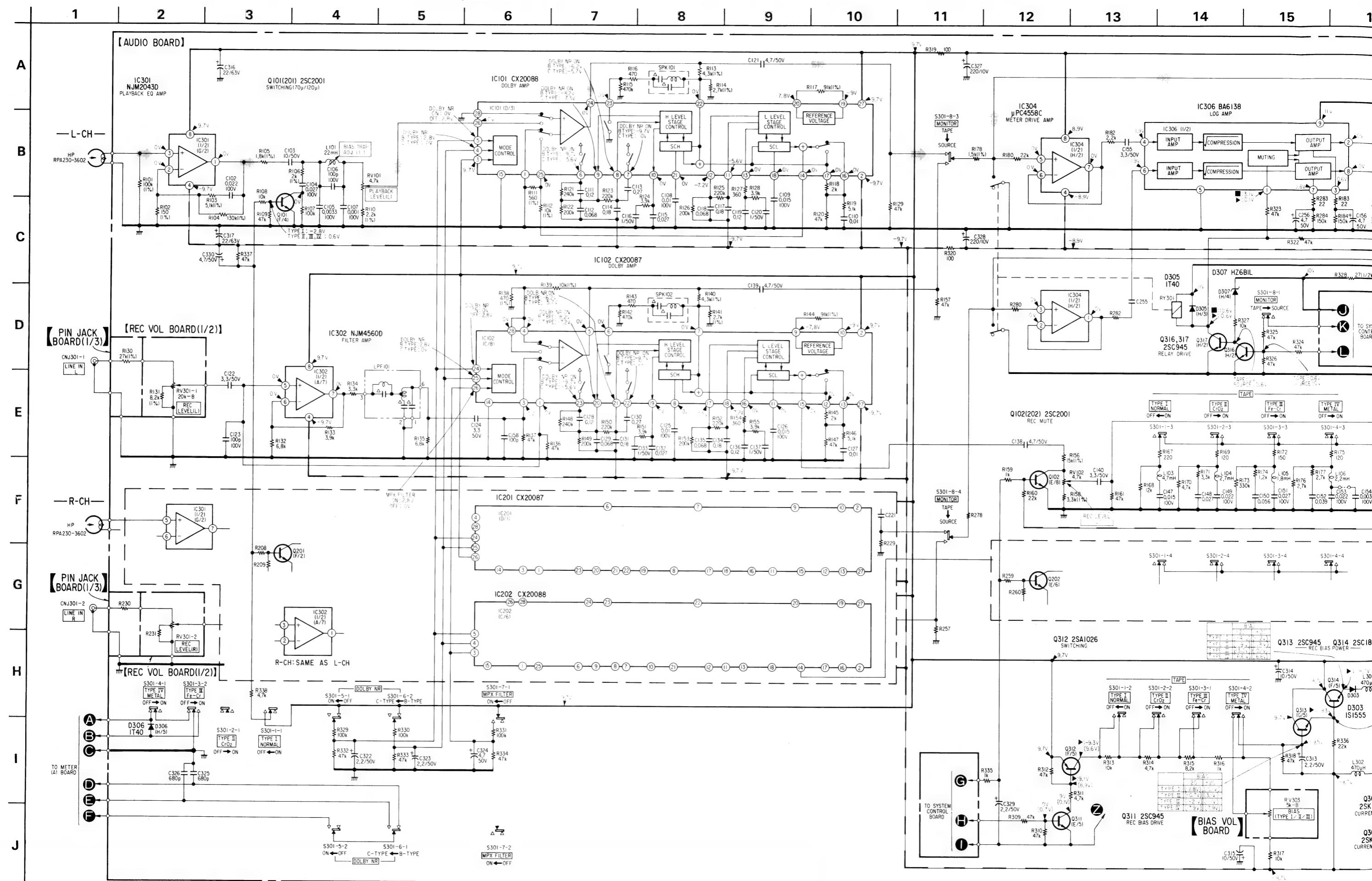
 : R-CH signal path

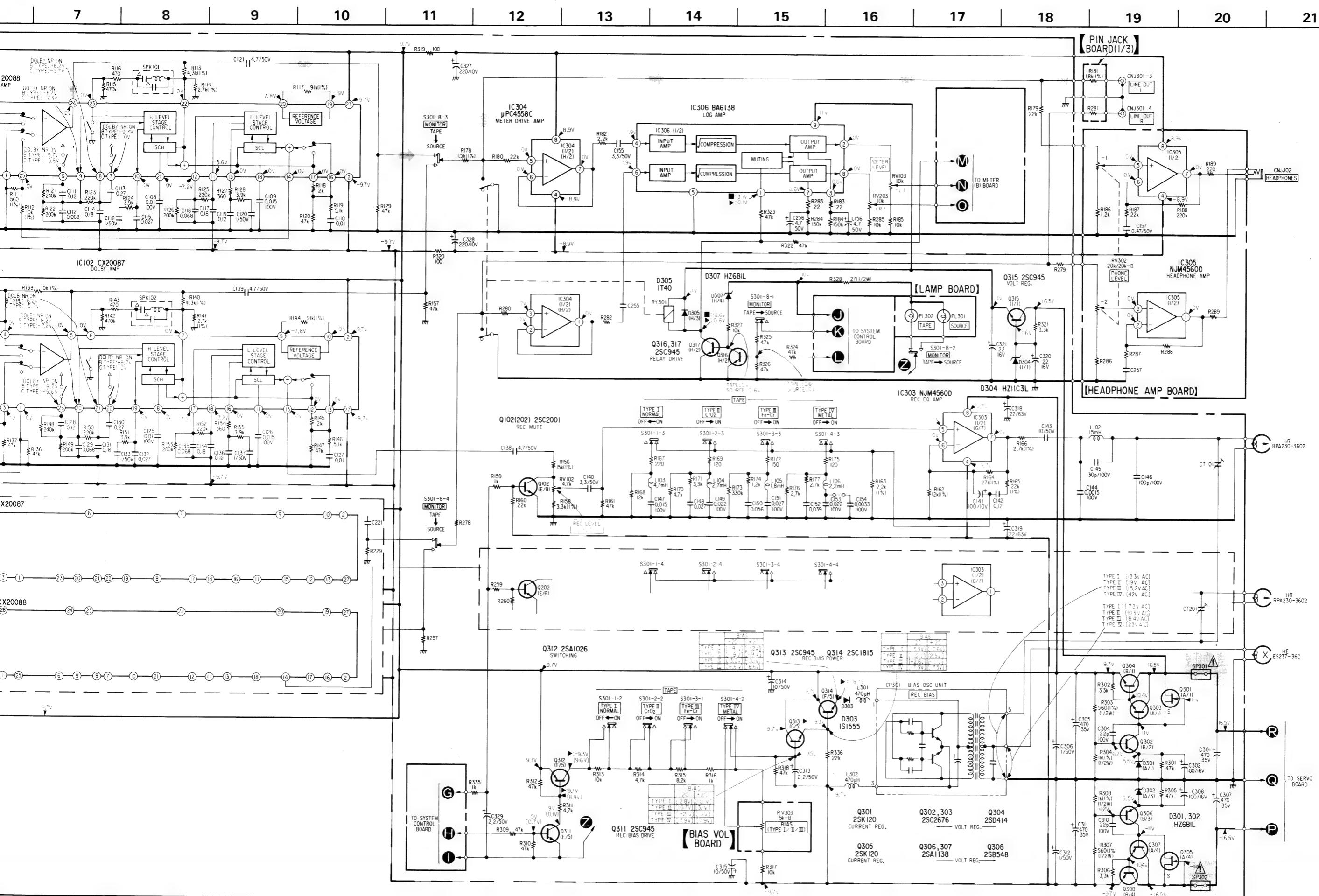
• See page 39 for Semiconductor lead layout.



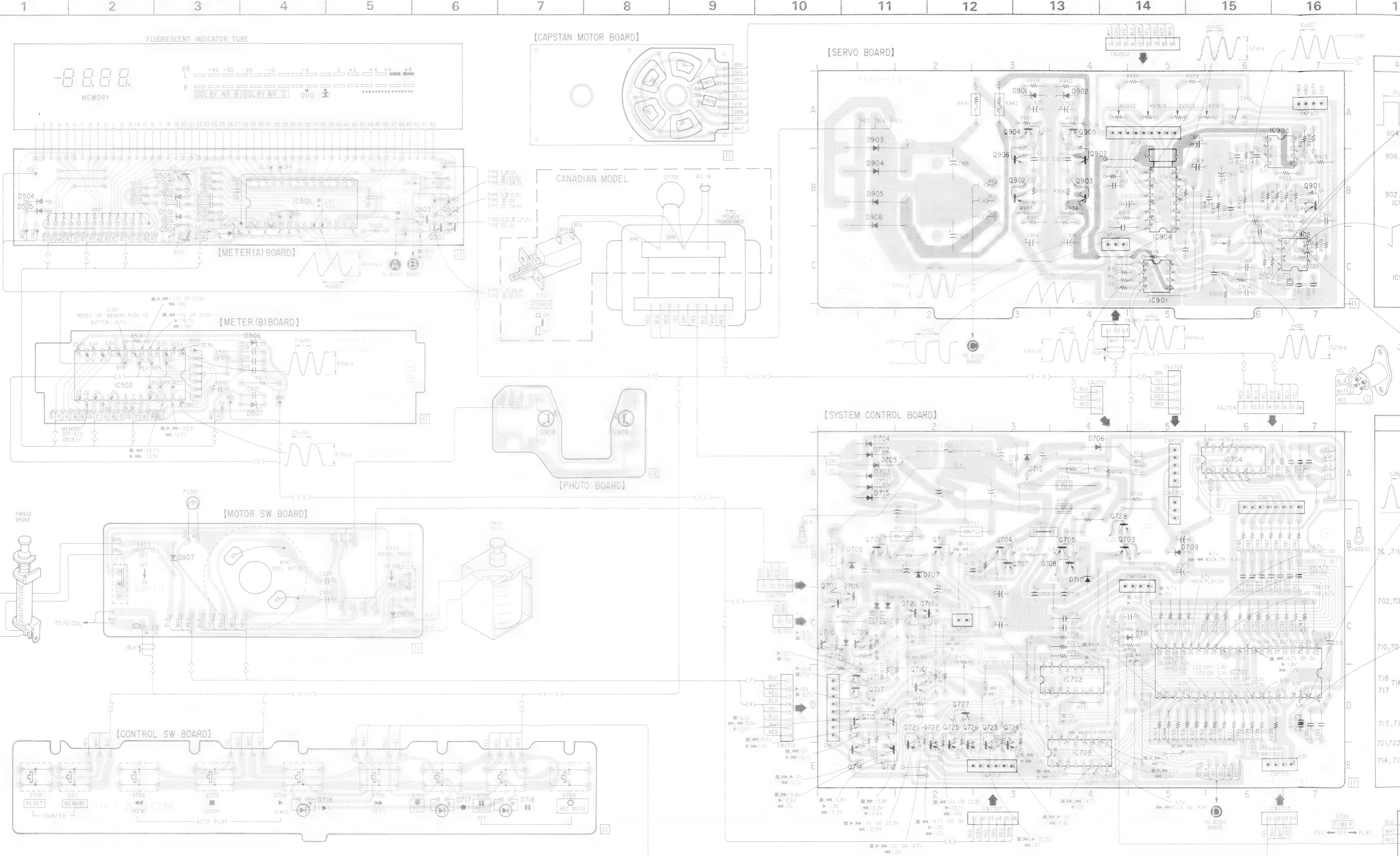
- See page 39 for Semiconductor lead layout.

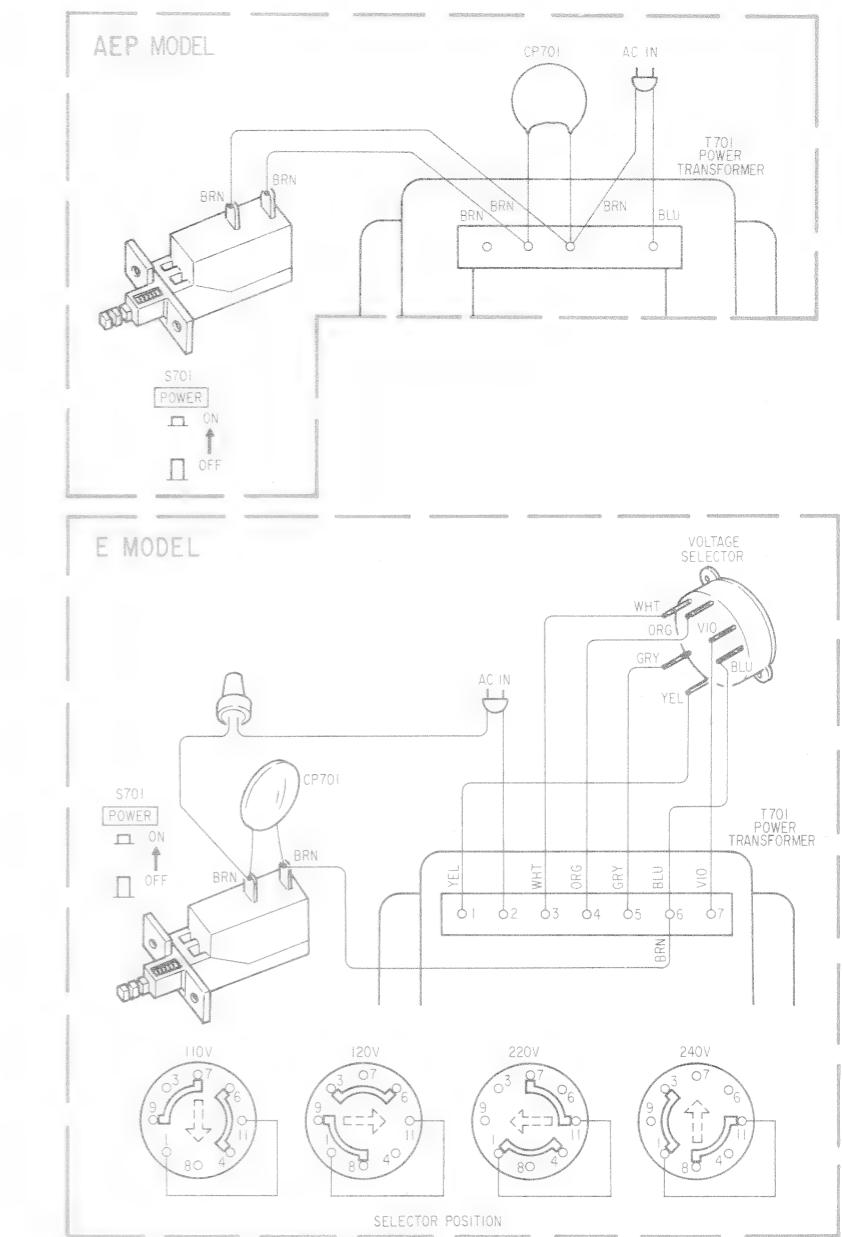
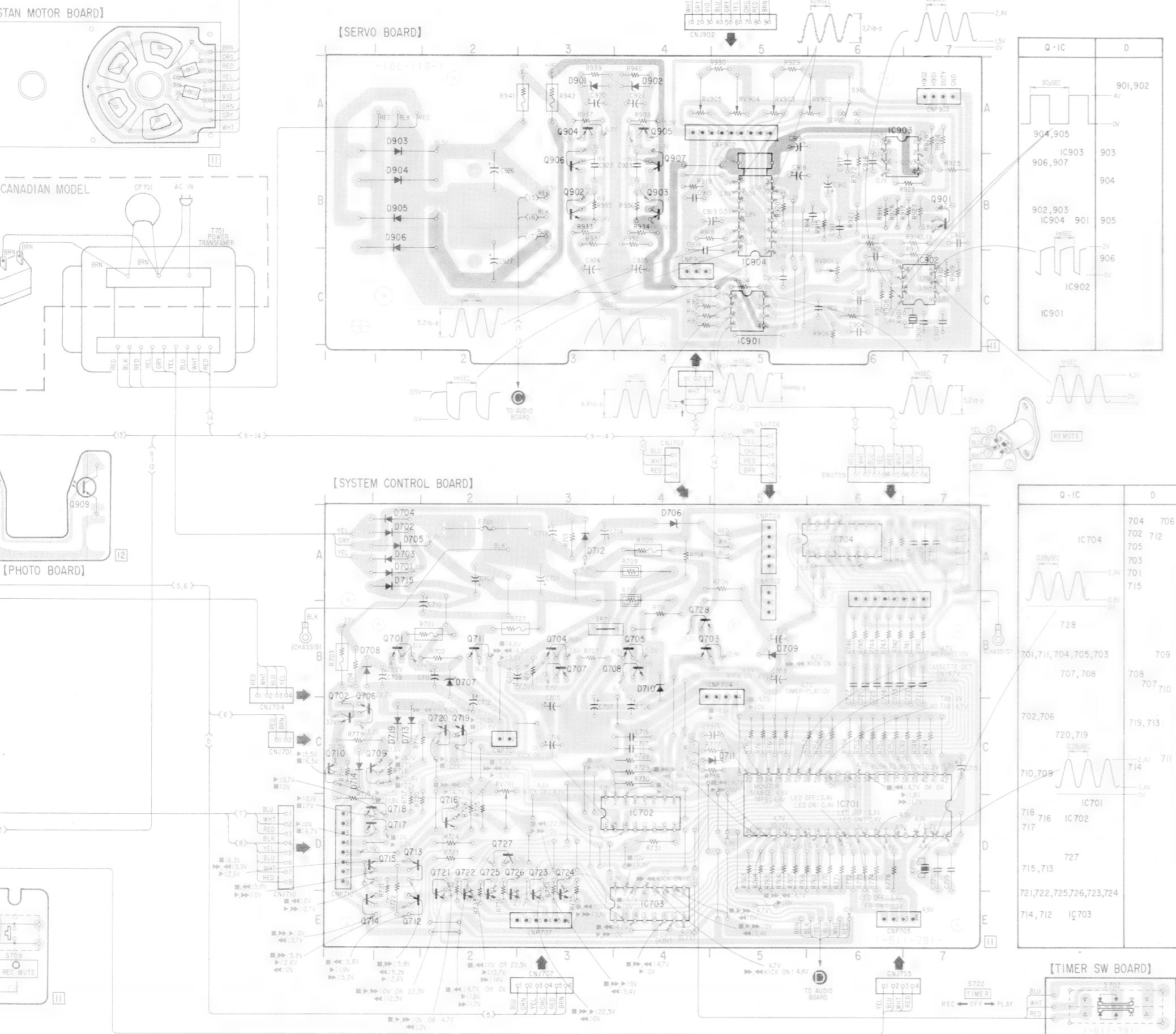


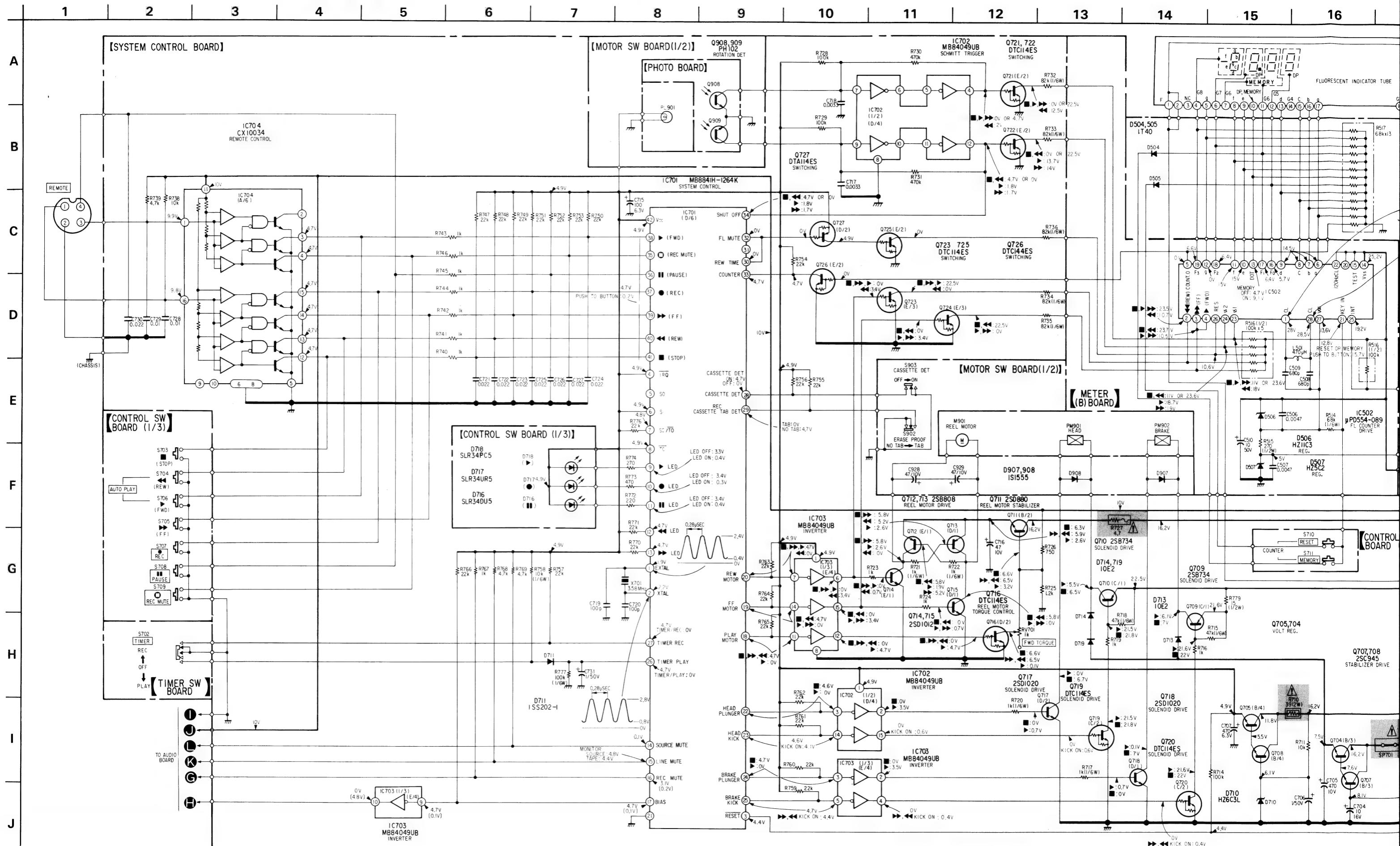


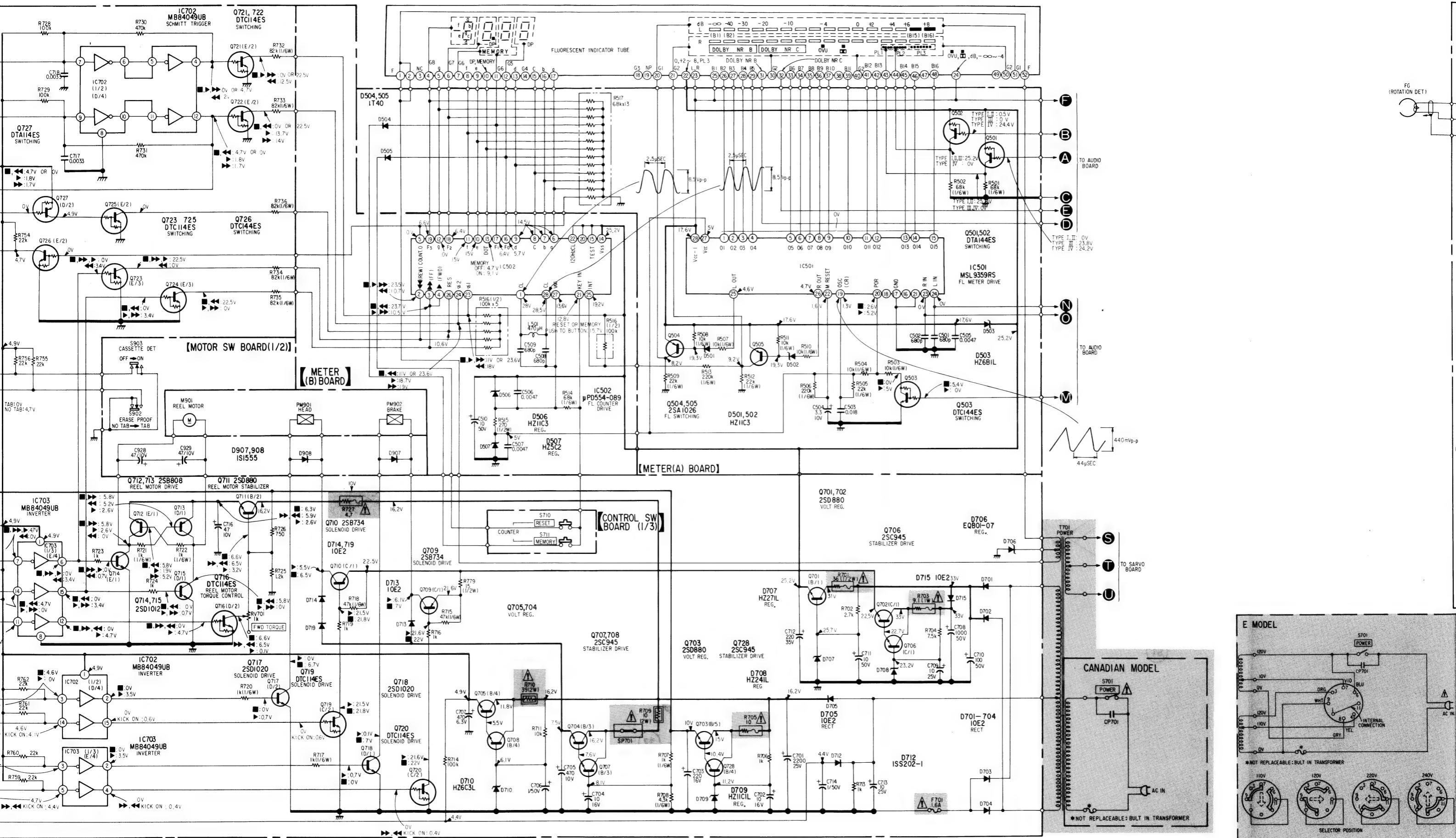


4-3 MOUNTING DIAGRAM -System Control/Servo/Meter/Power Section-









19

20

21

22

2

1

2

28

9

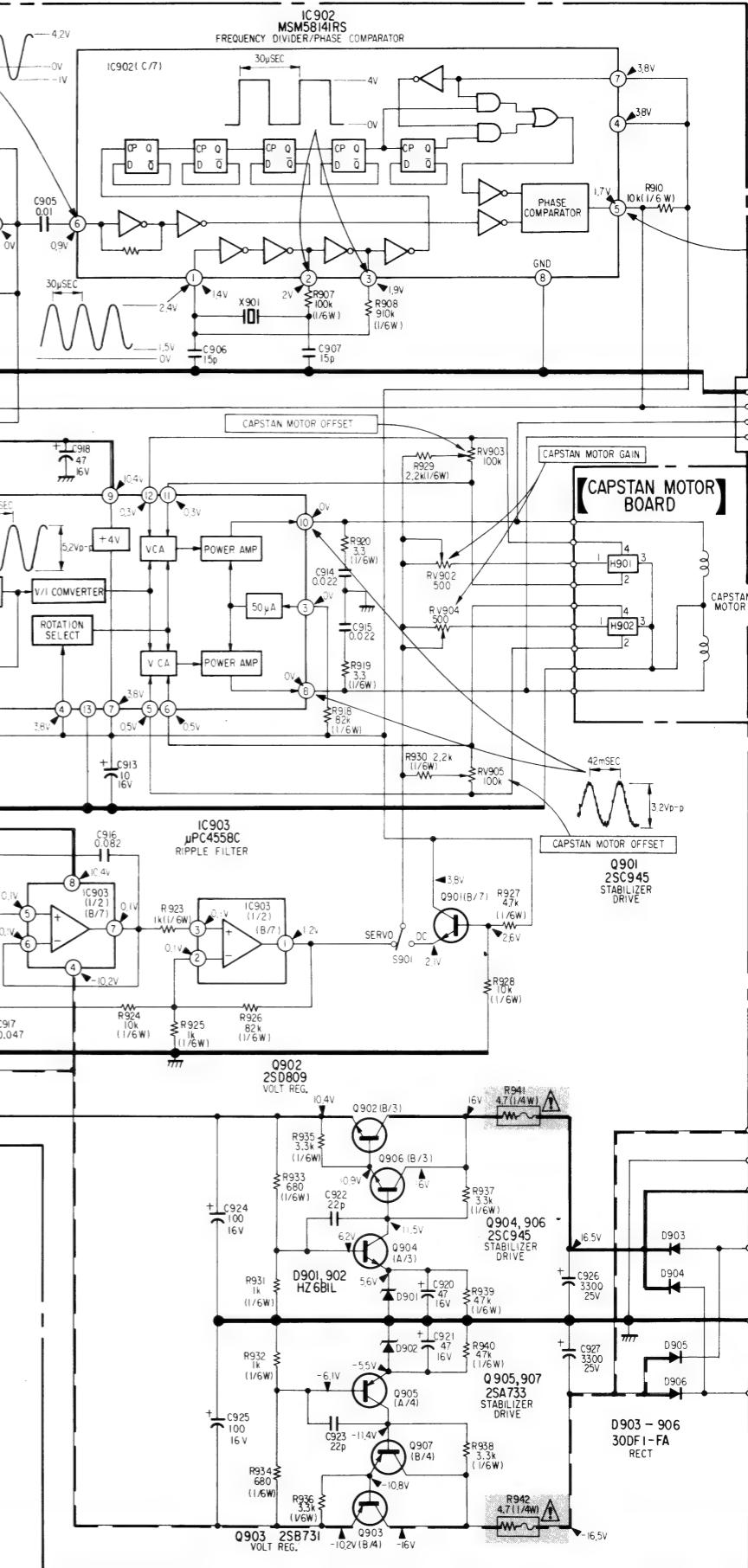
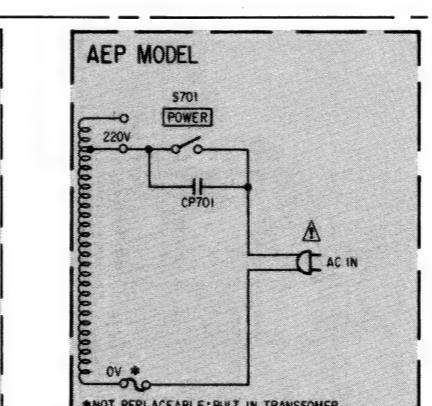
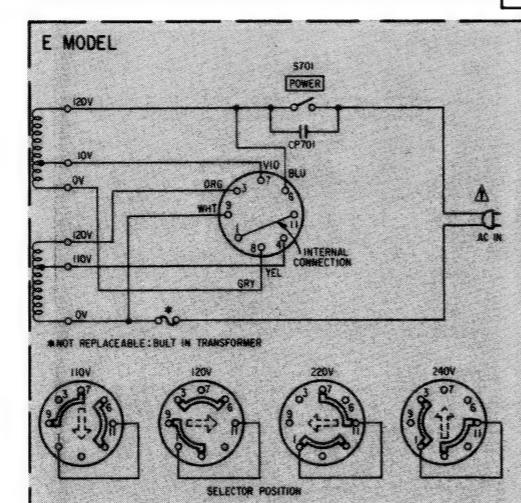
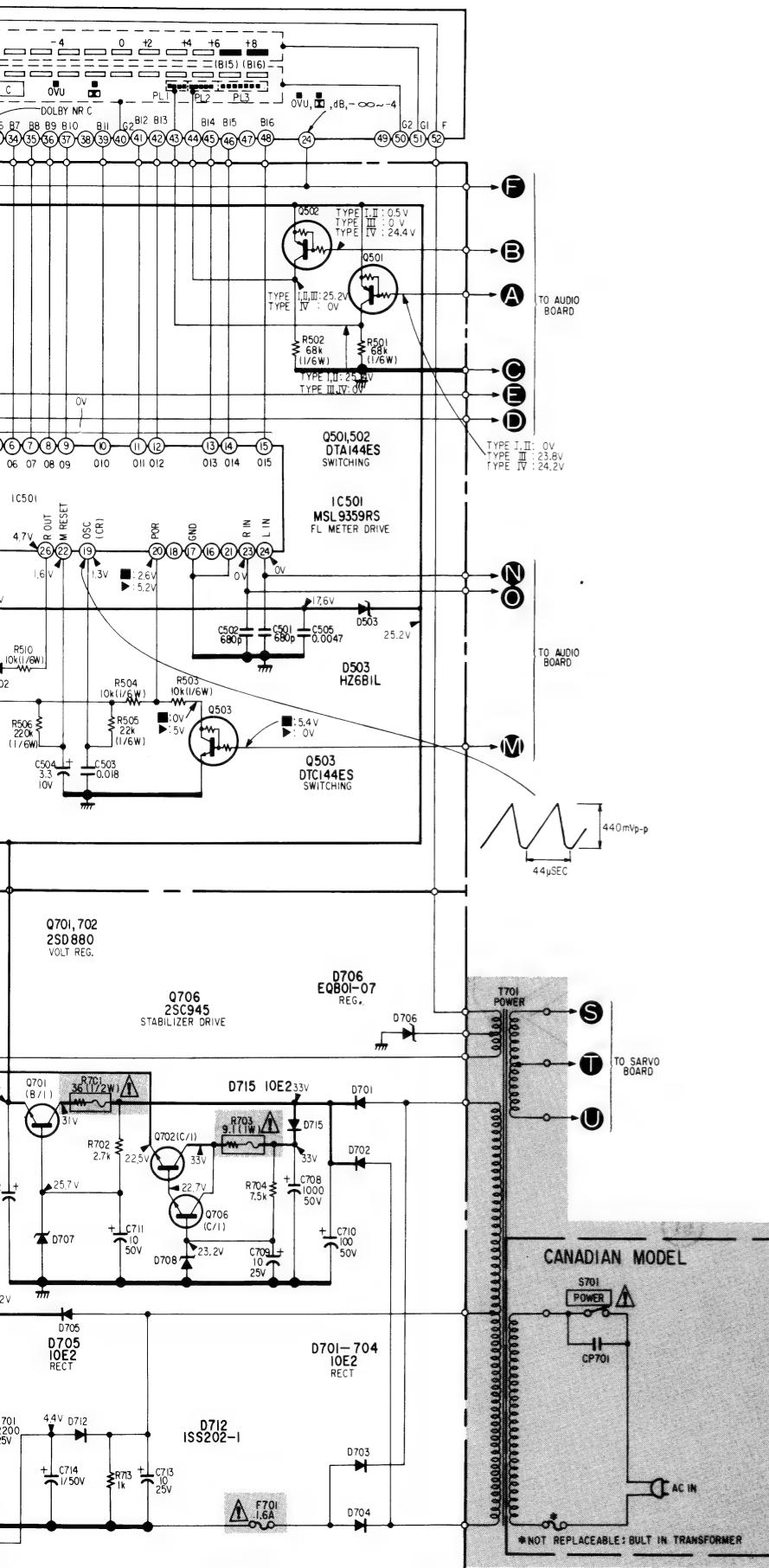
40

31

32

33

3



Note: The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par une trame et une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

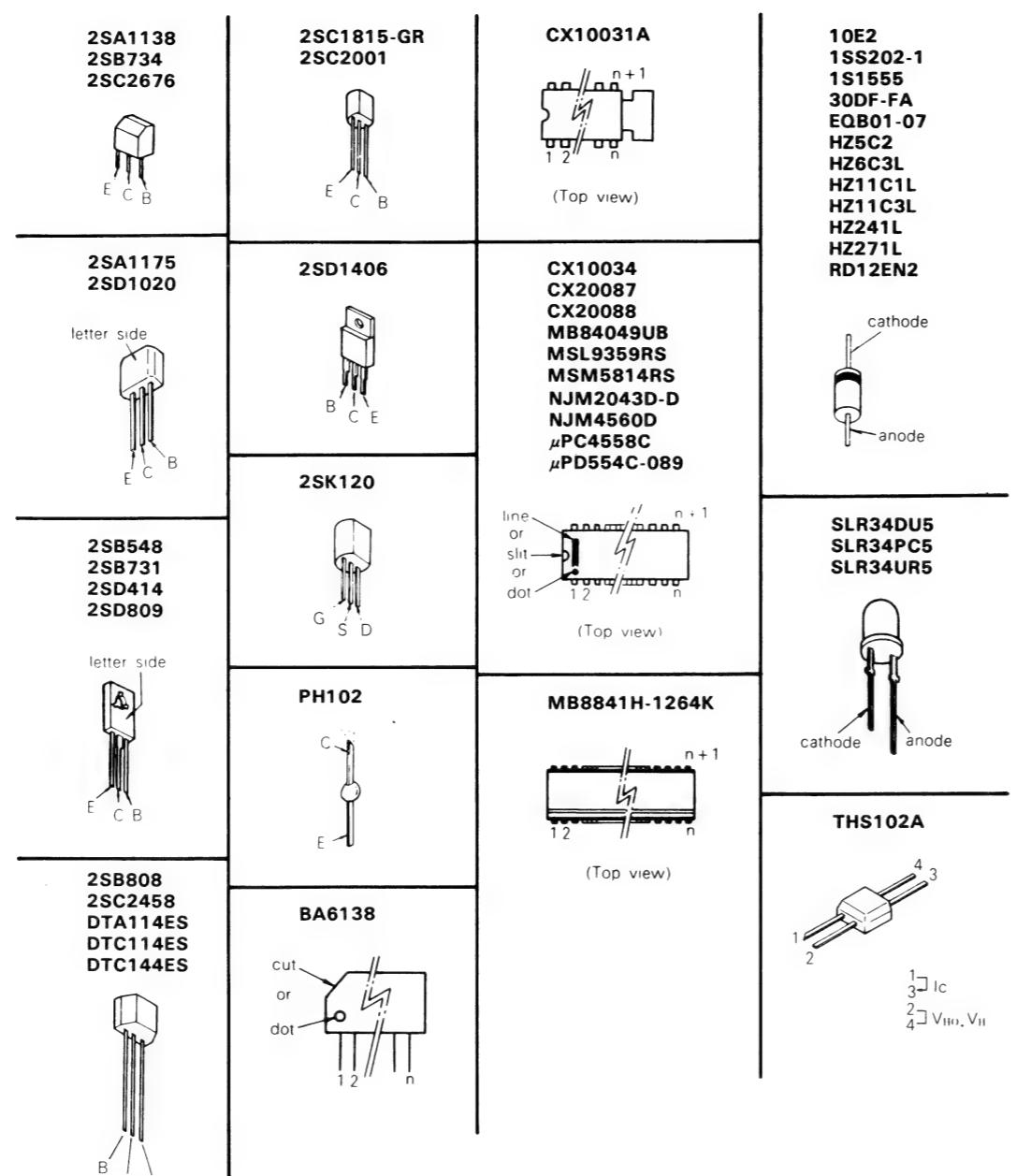
Note

- All capacitors are in μF unless otherwise noted. pF : $\mu\mu\text{F}$ 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in ohms, $\frac{1}{4}\text{W}$ unless otherwise noted. $\text{k}\Omega$: 1000 Ω , $\text{M}\Omega$: 1000 $\text{k}\Omega$.
- : nonflammable resistor.
- : fusible resistor.
- : adjustment for repair.
- : B+ bus.
- Voltages are dc with respect to ground unless otherwise noted.
- Switch

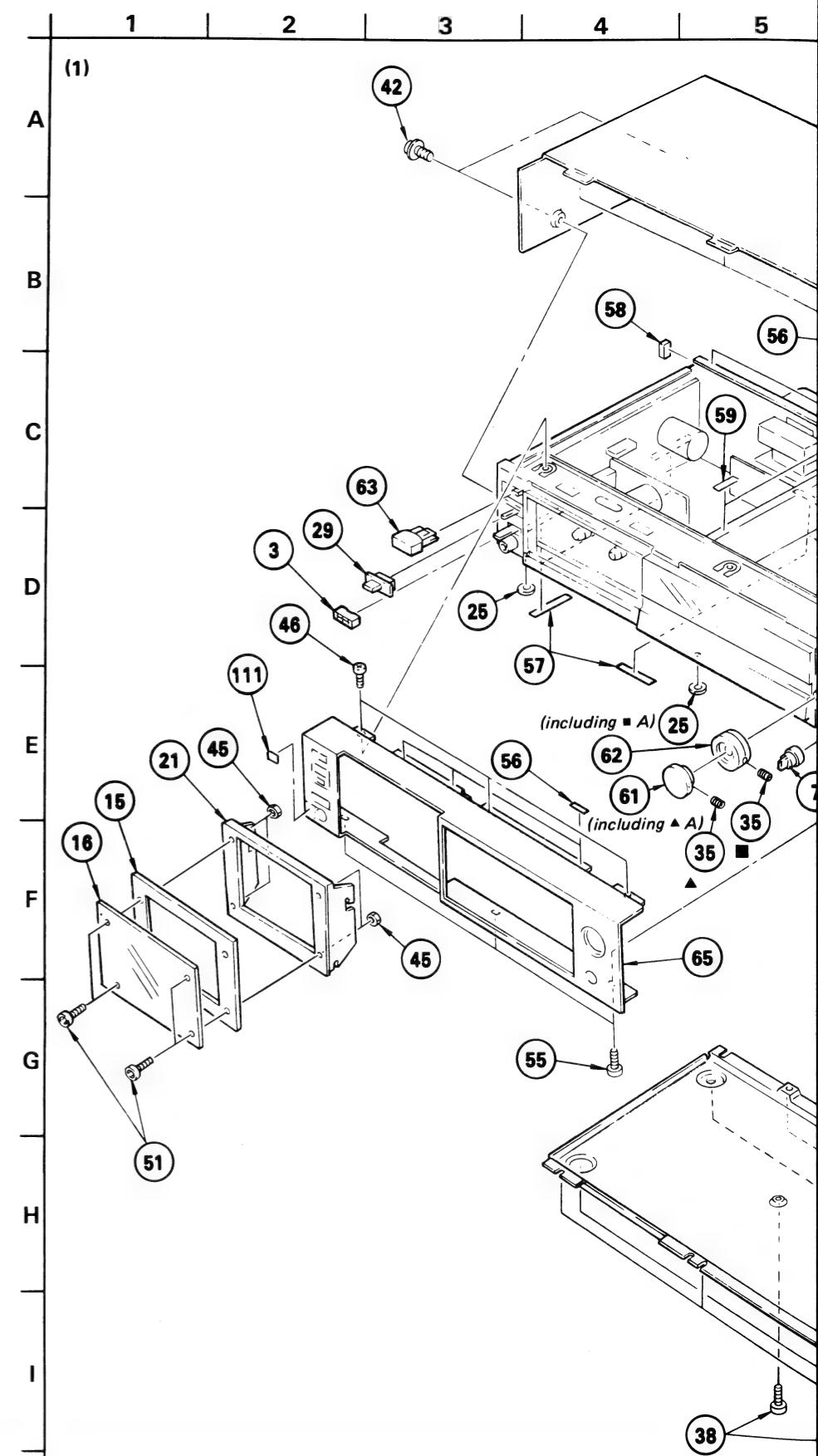
Ref. No.	Switch	Position
S701	POWER	OFF
S702	TIMER	OFF
S703	■ (STOP)	OFF
S704	◀ (REW)	OFF
S705	▶ (FF)	OFF
S706	▶ (FWD)	OFF
S707	● REC	OFF
S708	■ PAUSE	OFF
S709	● REC MUTE	OFF
S710	RESET	OFF
S711	MEMORY	OFF
S901	DC/SERVO	OFF
S902	HALF DET	OFF
S903	ACCIDENTAL ERASURE PREVENTION	OFF

Note: Voltages are measured with a VOM (50k Ω /V).

Semiconductor Lead Layouts



- : parts extracted from the component side.
- : parts extracted from the conductor side.
- : B+ pattern



SECTION 5
EXPLODED VIEWS AND PARTS LIST

10E2
1SS202-1
1S1555
30DF-FA
EQB01-07
HZ5C2
HZ6C3L
HZ11C1L
HZ11C3L
HZ241L
HZ271L
RD12EN2

cathode
anode

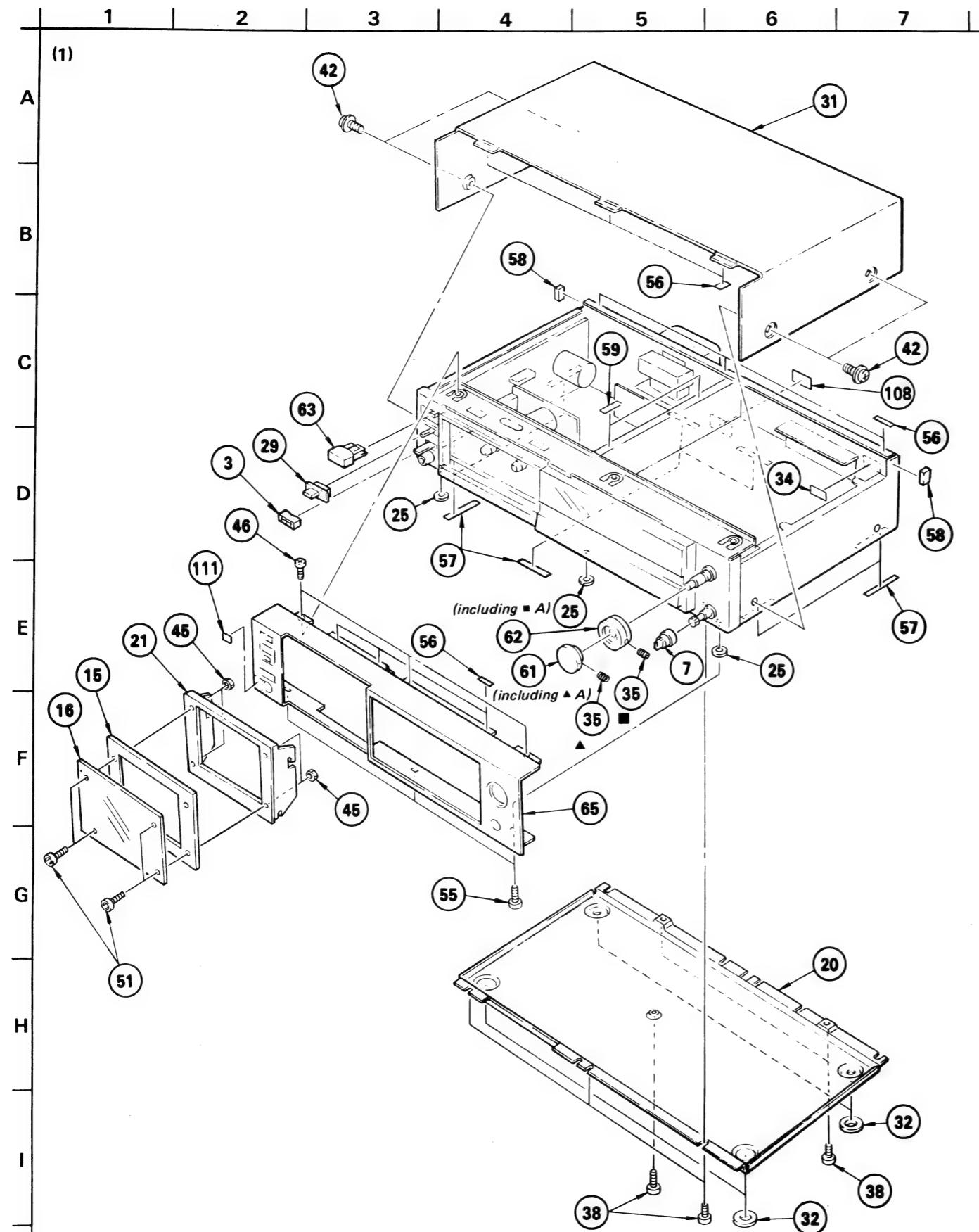
SLR34DU5
SLR34PC5
SLR34UR5

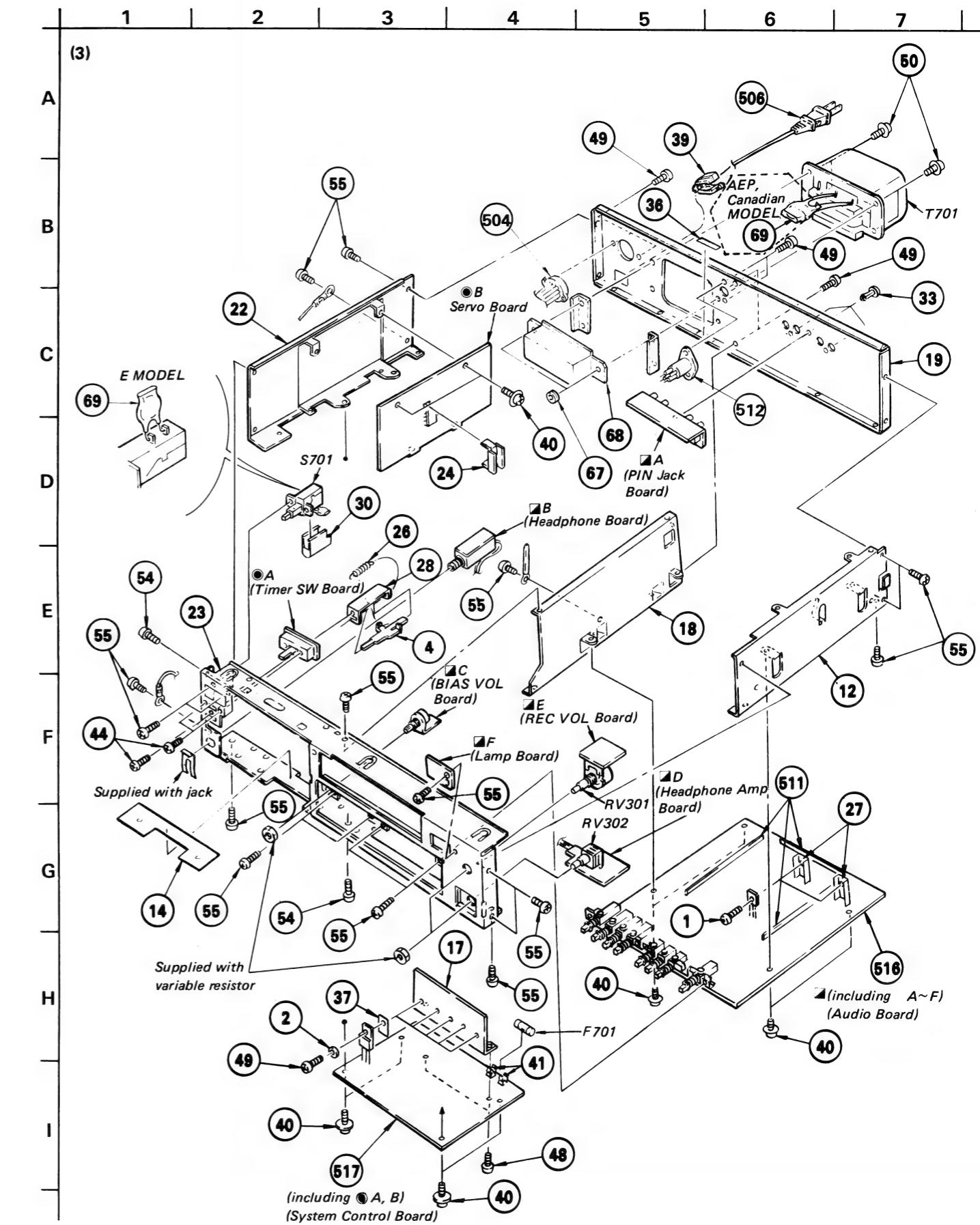
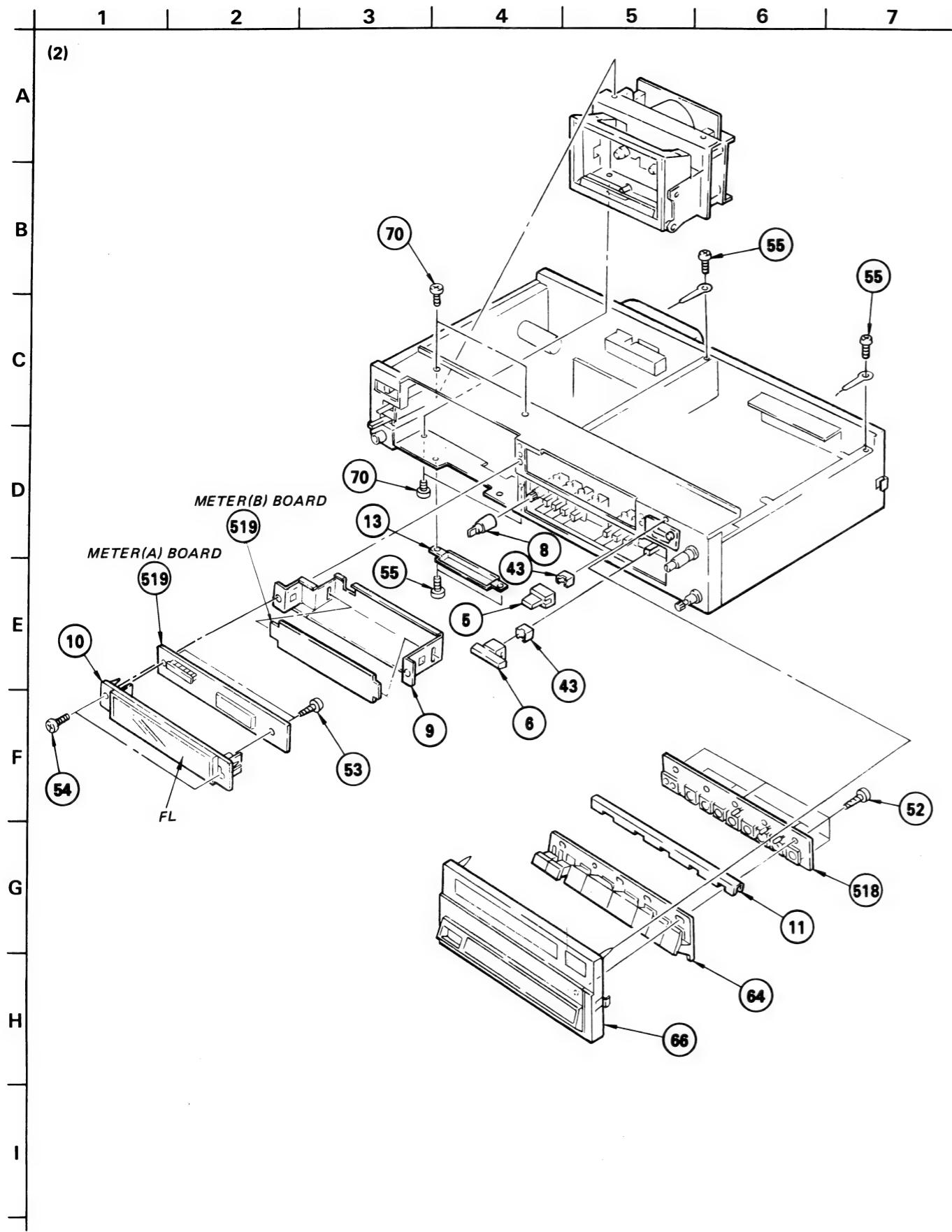
anode
anode

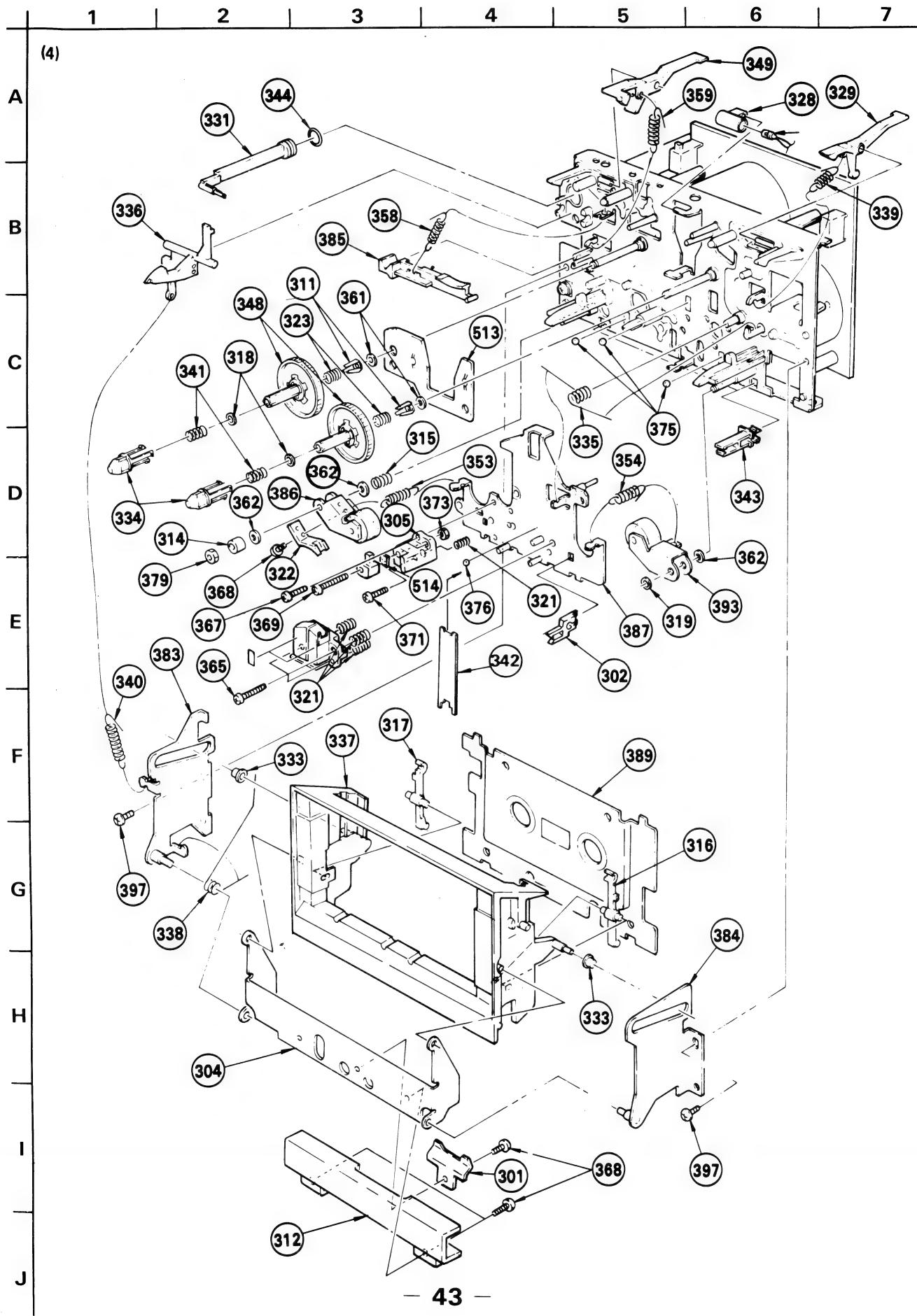
THS102A

4 3

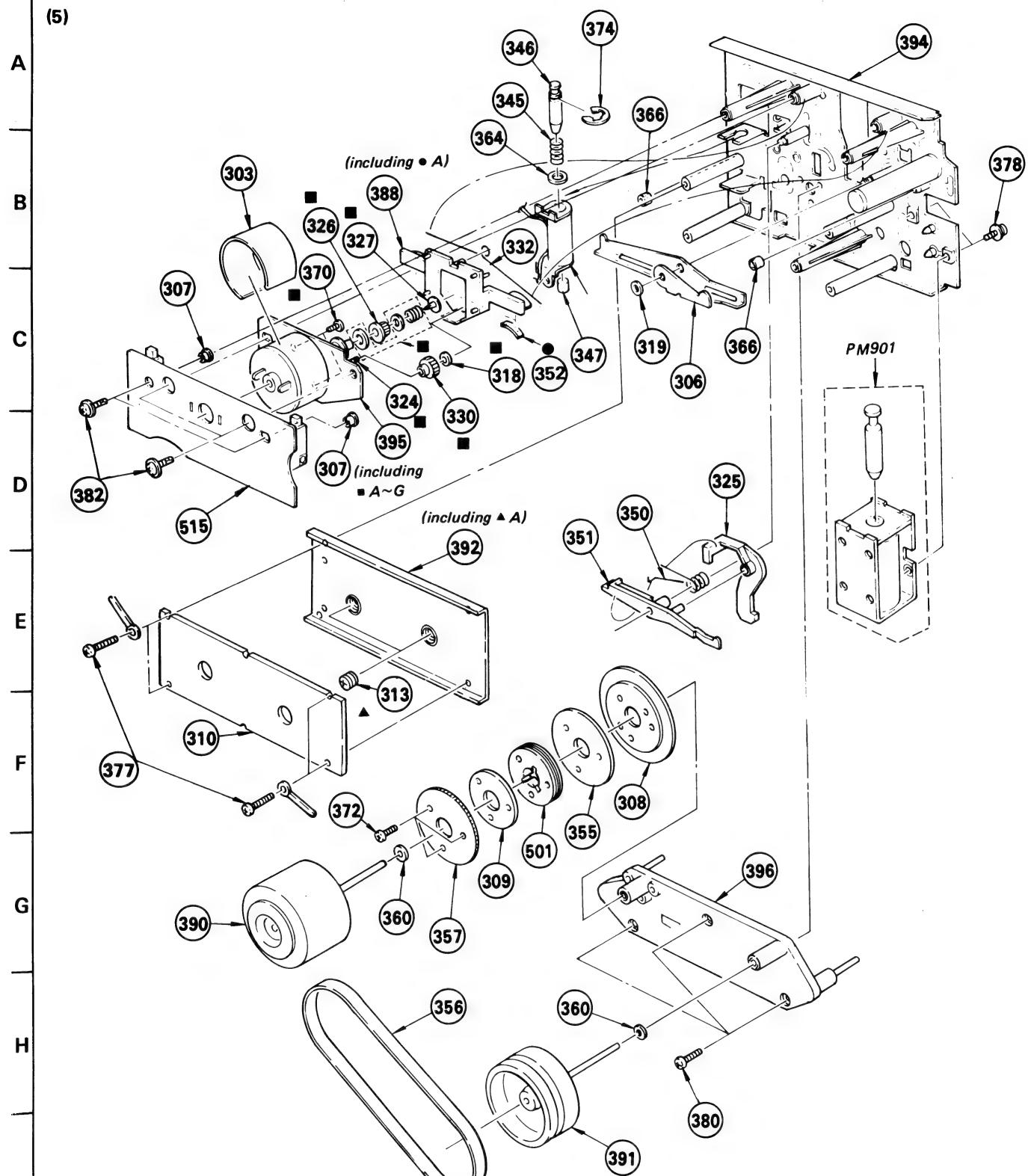
1 3 IC
2 4 V_{II}, V_{II}







1 2 3 4 5 6 7 8



GENERAL SECTION			GENERAL SECTION		
No.	Part No.	Description	No.	Part No.	Description
1	2-259-121-00	SCREW, TR	43	4-864-307-00	RING
2	2-371-561-00	BUSHING (P), INSULATING	44	7-621-775-10	SCREW +B 2.6X4
3	3-304-419-31	BUTTON, EJECT	45	7-622-207-05	N 2.6, TYPE 2
4	*3-304-911-00	SLIDER, EJECT	46	7-682-247-09	SCREW +K 3X6
5	3-304-926-11	KNOB (A), PUSH	47	SCREW +B 3X6
6	3-304-927-11	KNOB (B), PUSH	48	7-682-546-09	SCREW +B 3X5
7	3-304-929-11	KNOB, HEADPHONE	49	7-682-547-09	SCREW +B 3X6
8	3-304-930-11	KNOB, BIAS	50	7-682-949-09	SCREW +PSW 3X10
9	*3-304-935-00	CASE, SHIELD	51	7-683-412-05	BOLT, HEXAGON SOCKET 2.6X6
10	*3-304-938-00	HOLDER, FL TUBE	52	7-685-134-19	SCREW +BTP 2.6X8 TYPE2 N-S
11	*3-304-939-00	BRACKET, CONTROL BUTTON	53	7-685-146-14	SCREW +P 3X8 TYPE2 SLIT
12	*3-304-944-00	PLATE, SIDE, RIGHT	54	7-685-752-04	SCREW +BVTT 3X8 (S)
13	3-304-962-00	COVER, MD	55	7-685-871-01	SCREW +BVTT 3X6 (S)
14	*3-304-975-00	SHEET, ORNAMENTAL	56	9-911-837-XX	CUSHION (A), FILTER
15	3-304-985-01	PLATE, ORNAMENTAL, WINDOW	57	9-911-838-XX	CUSHION, STOPPER
16	3-304-986-01	WINDOW, CASSETTE	58	9-911-841-XX	CUSHION
17	*3-304-987-01	HEAT SINK	59	9-911-843-XX	CUSHION, FLYWHEEL
18	*3-304-988-01	PLATE, RERAY	60
19	*3-304-989-11	(Canadian,AEP)...PLATE, JACK	61	X-3304-909-0	KNOB (RIGHT) ASSY, REC
19	*3-304-989-21	(E).....PLATE, JACK	62	X-3304-910-0	KNOB (LEFT) ASSY, REC
20	*3-304-990-01	PLATE, BOTTOM	63	X-3304-911-0	KNOB ASSY, POWER
21	3-304-992-01	LID, CASSETTE	64	X-3304-916-0	BUTTON ASSY, CONTROL
22	*3-304-993-01	PLATE, SIDE, LEFT	65	X-3304-918-1	PANEL ASSY, FRONT
23	*3-304-994-01	CHASSIS, AMPLIFIER	66	X-3304-919-1	ESCUOTHEON SUB ASSY
24	*3-310-859-00	HEAT SINK, IC	67	3-306-006-01	CUSHION, MOTOR
25	3-311-623-11	SPACER	68	3-318-608-01	COVER, INSULATION
26	3-534-238-XX	SPRING, TENSION	69	4-875-455-01	(AEP)....COVER CAPACITOR
27	*3-567-242-00	HEAT SINK	69	4-875-455-21	(E)....COVER CAPACITOR
28	*3-575-502-00	BRACKET, EJECT	70	7-685-870-09	SCREW +BVTT 3X5 (S)
29	3-575-515-41	KNOB, SLIDE SWITCH			
30	3-575-524-00	COVER, POWER SWITCH			
31	3-575-539-41	CASE			
32	3-576-731-00	FELT (H)			
33	3-646-090-11	RIVET, NYLON			
34				
35	3-701-506-01	SET SCREW, DOUBLE POINT 3X4			
36	*3-701-946-22	(Canadian)...LABEL, FUSE			
36	*3-701-948-16	(AEP,E).....LABEL, FUSE			
37	3-703-037-00	INSULATOR, TO-220			
38	3-703-108-21	SCREW +BV 3X6, S TIGHT			
39	3-703-244-00	BUSHING, CORD			
40	3-703-249-01	SCREW, S TIGHT, +PTTWH 3X6			
41	4-807-341-00	HOLDER, FUSE			
42	4-820-330-31	SCREW, BW, PLUS MINUS			

NOTE:

The mechanical parts with no reference number in the exploded views are not supplied.

Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:

All capacitors are in μ F. Common capacitors are omitted. Refer to the following lists for their part numbers.

MF: μ F, PF: μ PF.

COILS

MMH : mH, UH : μ H

SEMICONDUCTORS

In each case, U : μ , for example:

UA... : μ A..., UPA... : μ PA...,

UPC... : μ PC,

UPD... : μ PD...

ACCESSORY & PACKING MATERIAL

No.	Part No.	Description
101	1-551-734-11	CORD, CONNECTION (RK-74A)
102	3-304-956-00	SHEET, PROTECTION
103	3-304-973-00	SHEET, PROTECTION
104	3-304-996-01	CUSHION (LEFT), LOWER
105	3-304-997-01	CUSHION (RIGHT), LOWER
106	3-304-998-01	CUSHION (LEFT), UPPER
107	3-304-999-01	CUSHION (RIGHT), UPPER
108	*3-318-601-01	(AEP).....LABEL, MODEL NUMBER
108	*3-318-602-01	(Canadian)....LABEL, MODEL NUMBER
108	*3-318-603-01	(E).....LABEL, MODEL NUMBER
109	3-318-607-01	(Canadian,AEP)...INDIVIDUAL CARTON
109	3-318-608-01	(E).....INDIVIDUAL CARTON
110	3-701-630-00	BAG, POLYETHYLENE
111	3-703-710-41	STICKER, SONY SYMBOL (12)
112	3-773-737-11	(Canadian,AEP,E)...MANUAL, INSTRUCTION
113	3-773-737-41	(AEP).....MANUAL, INSTRUCTION
114	3-793-481-13	INSTRUCTION
115	3-793-828-11	QUESTIONNAIRE
116	8-890-454-10	(Canadian)....TAPE
117	X-3701-105-0	ROD ASSY, CLEANING, HEAD

MECHANISM SECTION

No.	Part No.	Description
301	3-304-639-00	PLATE, SHIELD, HEAD
302	*3-304-963-00	RETAINER, LEAD
303	3-306-209-00	PLATE (D), SHIELD, MOTOR
304	3-306-215-00	LEVER, FULCRUM, HOLDER
305	*3-306-216-00	BRACKET, HEAD, ERASE
306	*3-306-260-00	LEVER, FWD
307	3-306-277-00	LIFTER, PC BOARD
308	*3-310-831-01	PLATE, SHIELD, MOTOR
309	3-310-865-00	WASHER, INSULATING
310	*3-318-403-01	REINFORCEMENT
311	3-318-405-01	RETAINER, SPRING
312	3-318-406-01	PLATE, ORNAMENTAL, HEAD
313	3-489-073-21	SCREW, THRUST
314	3-491-191-00	COLLAR
315	3-537-213-00	SPRING, COMPRESSION
316	3-555-113-00	SPRING (RIGHT)
317	3-555-114-00	SPRING (LEFT)
318	3-558-708-11	WASHER, STOPPER
319	3-558-708-21	WASHER, STOPPER
320	3-564-027-11	FELT, LIMITER
321	3-564-121-00	SPRING, COMPRESSION
322	3-564-138-00	GUIDE (S), TAPE
323	3-571-850-11	SPRING, COMPRESSION
324	3-575-304-00	SHAFT, GEAR, FR
325	3-575-318-00	LEVER, LOCK, TUNING
326	3-575-324-00	GEAR, LIMITER
327	3-575-327-00	STOPPER
328	3-575-328-00	HOLDER, LAMP
329	3-575-331-00	LEVER, DETECTION, HALF
330	3-575-332-00	GEAR, FR
331	3-575-333-00	PISTON
332	3-575-345-00	SPRING
333	3-575-348-00	ROLLER, GUIDE, THREADING
334	3-575-350-00	CLAW, REEL TABLE
335	3-575-351-00	SPRING
336	3-575-354-00	LEVER, LOCK
337	3-575-355-31	HOLDER, CASSETTE
338	3-575-356-00	SPRING
339	3-575-358-00	SPRING, TENSION
340	3-575-364-00	SPRING, TENSION
341	3-575-365-00	SPRING, COMPRESSION
342	*3-575-377-00	SPRING
343	*3-575-378-00	GUIDE, LEAD
344	3-575-392-00	RING, PISTON
345	3-575-414-00	SPRING, COMPRESSION

NOTE:

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CAPACITORS:

All capacitors are in μ F. Common capacitors are omitted. Refer to the following lists for their part numbers.
MF: μ F, PF: $\mu\mu$ F.

COILS

MMH : mH, UH : μ H

SEMICONDUCTORS

In each case, U : μ , for example:
UA...: μ A..., UPA...: μ PA...,
UPC...: μ PC,
UPD...: μ PD...

MECHANISM SECTION			MECHANISM SECTION		
No.	Part No.	Description	No.	Part No.	Description
346	3-575-415-11	ARBOR, MOVABLE	391	X-3575-378-1	FLYWHEEL (SUPPLY) ASSY
347	3-575-416-11	ARBOR, FIXED	392	X-3575-379-1	RETAINER ASSY, THRUST
348	3-575-447-00	TABLE, REEL	393	X-3575-380-1	PINCH LEVER (T) ASSY
349	3-575-449-00	LEVER, DETECTION, REC	394	*X-3575-381-1	CHASSIS ASSY, MECHANICAL
350	3-575-458-00	SPRING	395	X-3575-382-1	MOTOR ASSY, REEL
351	3-575-460-00	LEVER, SELECT TUNE	396	X-3575-383-1	BASE ASSY, CAPSTAN
352	3-575-469-00	SHOE, BRAKE	397	7-685-861-01	SCREW +BVTT 2.6X5
353	3-575-481-00	SPRING, TENSION			
354	3-575-482-00	SPRING, TENSION			
355	*3-576-810-00	PLATE, RETURN CIRCUIT			
356	3-576-812-00	BELT, CAPSTAN			
357	3-576-961-11	PLATE, FG			
358	3-632-261-00	SPRING			
359	3-650-542-00	SPRING, TENSION			
360	3-701-438-21	WASHER			
361	3-701-439-11	WASHER			
362	3-701-439-21	WASHER			
363	3-701-441-11	WASHER			
364	3-701-444-11	WASHER, 6			
365	3-701-467-00	SCREW, LOCK			
366	4-855-109-12	RUBBER, LIFTER CUSHION			
367	7-621-771-06	SCREW +B 2X5			
368	7-621-772-10	SCREW +B 2X4			
369	7-621-772-88	SCREW +B 2X16			
370	7-621-775-10	SCREW +B 2.6X4			
371	7-621-775-20	SCREW +B 2.6X5			
372	7-621-775-60	SCREW +B 2.6X12			
373	7-622-205-05	N 2, TYPE 2			
374	7-624-109-04	STOP RING 5.0, TYPE -E			
375	7-671-112-11	BALL, STEEL			
376	7-671-113-11	BALL, STEEL			
377	7-682-648-01	SCREW +PS*3X8			
378	7-682-949-01	SCREW +PSW 3X10			
379	7-684-023-04	N 3, TYPE 2			
380	7-685-791-04	SCREW +BVTT 2.6X5 (S)			
381	7-685-862-01	SCREW +BVTT 2.6X6 (S)			
382	7-687-246-21	SCREW, TOTSU PTPWH 3X8, TYPE2			
383	*X-3575-301-0	PLATE (A) ASSY, HOLDER FULCRUM			
384	*X-3575-302-0	PLATE (B) ASSY, FULCRUM			
385	X-3575-310-0	LEVER ASSY, TENSION, BACK			
386	X-3575-321-0	PINCH LEVER (S) ASSY			
387	X-3575-323-0	CHASSIS ASSY, HEAD			
388	*X-3575-342-0	PLATE ASSY, BRAKE			
389	X-3575-355-0	PLATE ASSY, ORNAMENTAL			
390	X-3575-377-1	FLYWHEEL (TAKE-UP) ASSY			

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CAPACITORS:

- All capacitors are in μ F. Common capacitors are omitted. Refer to the following lists for their part numbers.

COILS

- MMH : mH, UH : μ H

SEMICONDUCTORS

- In each case, U : μ , for example: UA... : μ A..., UPA... : μ PA..., UPC... : μ PC, UPD... : μ PD...

ELECTRICAL PARTS

Ref. No.	Part No.	Description				
501	1-459-426-00	COIL				
502	1-535-506-00	(E).....CONNECTOR PRESS TERMINAK				
503	*1-508-819-00	17MM BASE POST				
504	*1-508-878-00	BASE POST				
505	*1-535-116-00	TERMINAL				
506	▲.1-551-472-00	(E2).....CORD, POWER				
506	▲.1-555-734-00	(E1).....CORD, POWER				
506	▲.1-555-795-00	(AEP).....CORD, POWER				
506	▲.1-556-874-00	(Canadian)...CORD, POWER				
507	*1-560-061-00	PIN, CONNECTOR 3P				
508	*1-560-062-00	PIN, CONNECTOR 4P				
509	*1-560-063-00	PIN, CONNECTOR 5P				
510	*1-560-064-00	PIN, CONNECTOR 6P				
511	*1-560-242-51	BUS BAR 7P				
512	1-561-598-00	SOCKET 4P				
513	*1-603-823-00	PC BOARD, PHOTO				
514	*1-608-268-00	PC BOARD, ERASE HEAD				
515	*1-611-789-11	PC BOARD, SWITCH				
516	*A-2010-222-A	PC BOARD ASSY, AUDIO				
517	*A-2019-165-A	PC BOARD ASSY, SYSTEM CONTROL				
518	*1-611-792-11	PC BOARD, CONTROL SW				
519	*1-611-793-11	PC BOARD, METER				
C102	1-130-973-00	FILM	0.022MF	3%	100V	
C103	1-124-326-11	ELECT	10MF	20%	50V	
C104	1-130-893-00	FILM	0.027MF	3%	100V	
C105	1-130-285-00	FILM	0.0033MF	5%	100V	
C106	1-107-300-00	MICA	100PF	5%	100V	
C107	1-130-273-00	FILM	0.001MF	5%	100V	
C108	1-130-955-00	FILM	0.01MF	3%	100V	
C109	1-130-892-00	FILM	0.015MF	3%	100V	
C110	1-130-620-00	FILM	0.01MF	5%	50V	
C111	1-130-633-00	FILM	0.12MF	5%	50V	
C112	1-130-630-00	FILM	0.068MF	5%	50V	
C113	1-130-637-00	FILM	0.27MF	5%	50V	
C114	1-130-635-00	FILM	0.18MF	5%	50V	
C115	1-130-625-00	FILM	0.027MF	5%	50V	
C116	1-124-182-00	ELECT	1MF	20%	50V	
C117	1-130-635-00	FILM	0.18MF	5%	50V	
C118	1-130-630-00	FILM	0.068MF	5%	50V	
C119	1-130-633-00	FILM	0.12MF	5%	50V	
C120	1-124-182-00	ELECT	1MF	20%	50V	
C121	1-124-324-00	ELECT	4.7MF	20%	50V	
C122	1-124-323-00	ELECT	3.3MF	20%	50V	
C123	1-107-300-00	MICA	100PF	5%	100V	
C124	1-124-323-00	ELECT	3.3MF	20%	50V	
C125	1-130-955-00	FILM	0.01MF	3%	100V	

ELECTRICAL PARTS

Ref. No.	Part No.	Description				
C126	1-130-892-00	FILM	0.015MF	3%	100V	
C127	1-130-620-00	FILM	0.01MF	5%	50V	
C128	1-130-633-00	FILM	0.12MF	5%	50V	
C129	1-130-630-00	FILM	0.068MF	5%	50V	
C130	1-130-637-00	FILM	0.27MF	5%	50V	
C131	1-130-635-00	FILM	0.18MF	5%	50V	
C132	1-130-625-00	FILM	0.027MF	5%	50V	
C133	1-124-182-00	ELECT	1MF	20%	50V	
C134	1-130-635-00	FILM	0.18MF	5%	50V	
C135	1-130-630-00	FILM	0.068MF	5%	50V	
C136	1-130-633-00	FILM	0.12MF	5%	50V	
C137	1-124-182-00	ELECT	1MF	20%	50V	
C138	1-124-324-00	ELECT	4.7MF	20%	50V	
C139	1-124-324-00	ELECT	4.7MF	20%	50V	
C140	1-124-323-00	ELECT	3.3MF	20%	50V	
C141	1-123-307-00	ELECT	100MF	20%	10V	
C142	1-130-633-00	FILM	0.12MF	5%	50V	
C143	1-124-326-11	ELECT	10MF	20%	50V	
C144	1-130-277-00	FILM	0.0015MF	5%	100V	
C145	1-107-303-00	MICA	130PF	5%	100V	
C146	1-107-300-00	MICA	100PF	5%	100V	
C147	1-130-301-00	FILM	0.015MF	5%	100V	
C148	1-130-625-00	FILM	0.027MF	5%	50V	
C149	1-130-305-00	FILM	0.022MF	5%	100V	
C150	1-130-629-00	FILM	0.056MF	5%	50V	
C151	1-130-307-00	FILM	0.027MF	5%	100V	
C152	1-130-627-00	FILM	0.039MF	5%	50V	
C153	1-130-305-00	FILM	0.022MF	5%	100V	
C154	1-130-285-00	FILM	0.0033MF	5%	100V	
C155	1-124-184-00	ELECT	3.3MF	20%	50V	
C156	1-123-369-00	ELECT	4.7MF	20%	50V	
C157	1-124-270-11	ELECT	0.47MF	20%	50V	
C158	1-162-037-00	CERAMIC	100PF	5%	50V	
C202	1-130-973-00	FILM	0.022MF	3%	100V	
C203	1-124-326-11	ELECT	10MF	20%	50V	
C204	1-130-893-00	FILM	0.027MF	3%	100V	
C205	1-130-285-00	FILM	0.0033MF	5%	100V	
C206	1-107-300-00	MICA	100PF	5%	100V	
C207	1-130-273-00	FILM	0.001MF	5%	100V	
C208	1-130-955-00	FILM	0.01MF	3%	100V	
C209	1-130-892-00	FILM	0.015MF	3%	100V	
C210	1-130-620-00	FILM	0.01MF	5%	50V	
C211	1-130-633-00	FILM	0.12MF	5%	50V	
C212	1-130-630-00	FILM	0.068MF	5%	50V	
C213	1-130-637-00	FILM	0.27MF	5%	50V	

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CAPACITORS:

All capacitors are in μF . Common capacitors are omitted. Refer to the following lists for their part numbers.
MF: μF , PF: $\mu\mu\text{F}$.

COILS

MMH : mH , UH : μH

SEMICONDUCTORS

In each case, U : μ , for example:
UA...: μA ..., UPA...: μPA ..., UPC...: μPC ,
UPD...: μPD ...

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

ELECTRICAL PARTS

Ref. No.	Part No.	Description
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C214	1-130-635-00	FILM
C215	1-130-625-00	FILM
C216	1-124-182-00	ELECT
C217	1-130-635-00	FILM
C218	1-130-630-00	FILM
C219	1-130-633-00	FILM
C220	1-124-182-00	ELECT
C221	1-124-324-00	ELECT
C222	1-124-323-00	ELECT
C223	1-107-300-00	MICA
C224	1-124-323-00	ELECT
C225	1-130-955-00	FILM
C226	1-130-892-00	FILM
C227	1-130-620-00	FILM
C228	1-130-633-00	FILM
C229	1-130-630-00	FILM
C230	1-130-637-00	FILM
C231	1-130-635-00	FILM
C232	1-130-625-00	FILM
C233	1-124-182-00	ELECT
C234	1-130-635-00	FILM
C235	1-130-630-00	FILM
C236	1-130-633-00	FILM
C237	1-124-182-00	ELECT
C238	1-124-324-00	ELECT
C239	1-124-324-00	ELECT
C240	1-124-323-00	ELECT
C241	1-123-307-00	ELECT
C242	1-130-633-00	FILM
C243	1-124-326-11	ELECT
C244	1-130-277-00	FILM
C245	1-107-303-00	MICA
C246	1-107-300-00	MICA
C247	1-130-301-00	FILM
C248	1-130-625-00	FILM
C249	1-130-305-00	FILM
C250	1-130-629-00	FILM
C251	1-130-307-00	FILM
C252	1-130-627-00	FILM
C253	1-130-305-00	FILM
C254	1-130-285-00	FILM
C255	1-124-184-00	ELECT
C256	1-123-369-00	ELECT
C257	1-124-270-11	ELECT
C258	1-162-037-00	CERAMIC

ELECTRICAL PARTS

Ref. No.	Part No.	Description
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C301	1-123-706-00	ELECT
C302	1-123-333-00	ELECT
C304	1-107-284-00	MICA
C305	1-123-706-00	ELECT
C306	1-131-450-00	TANTALUM
C307	1-123-706-00	ELECT
C308	1-123-333-00	ELECT
C310	1-107-284-00	MICA
C311	1-123-706-00	ELECT
C312	1-131-450-00	TANTALUM
C313	1-123-381-00	ELECT
C314	1-123-356-00	ELECT
C315	1-123-356-00	ELECT
C316	1-123-371-00	ELECT
C317	1-123-371-00	ELECT
C318	1-123-371-00	ELECT
C319	1-123-371-00	ELECT
C320	1-123-330-00	ELECT
C321	1-123-330-00	ELECT
C322	1-123-381-00	ELECT
C323	1-123-381-00	ELECT
C324	1-123-369-00	ELECT
C325	1-162-108-00	CERAMIC
C326	1-162-108-00	CERAMIC
C327	1-123-308-00	ELECT
C328	1-123-308-00	ELECT
C329	1-123-381-00	ELECT
C330	1-123-369-00	ELECT
C501	1-162-108-00	CERAMIC
C502	1-162-108-00	CERAMIC
C503	1-130-623-00	FILM
C504	1-131-501-00	TANTALUM
C505	1-162-112-00	CERAMIC
C506	1-162-112-00	CERAMIC
C507	1-162-112-00	CERAMIC
C508	1-162-108-00	CERAMIC
C509	1-162-108-00	CERAMIC
C510	1-123-356-00	ELECT
C701	1-123-338-00	ELECT
C702	1-123-356-00	ELECT
C703	1-123-321-00	ELECT
C704	1-123-356-00	ELECT
C705	1-123-310-00	ELECT
C706	1-123-380-00	ELECT
C707	1-123-298-00	ELECT

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MF: μ F, PF: μ PF.

COILS

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SEMICONDUCTORS

In each case, U : μ , for example:
UA... : μ A..., UPA... : μ PA...,
UPC... : μ PC,
UPD... : μ PD...

ELECTRICAL PARTS

Ref. No. Part No. Description

C708	1-123-364-00	ELECT	1000MF	20%	50V
C709	1-123-356-00	ELECT	10MF	20%	25V
C710	1-123-360-00	ELECT	100MF	20%	50V
C711	1-123-356-00	ELECT	10MF	20%	50V
C712	1-123-346-00	ELECT	220MF	20%	35V
C713	1-123-356-00	ELECT	10MF	20%	25V
C714	1-123-380-00	ELECT	1MF	20%	50V
C715	1-123-307-00	ELECT	100MF	20%	6.3V
C716	1-123-306-00	ELECT	47MF	20%	10V
C717	1-161-327-00	CERAMIC	0.0033MF	30%	50V
C718	1-161-327-00	CERAMIC	0.0033MF	30%	50V
C719	1-161-271-00	CERAMIC	100PF	5%	50V
C720	1-161-271-00	CERAMIC	100PF	5%	50V
C721	1-161-494-00	CERAMIC	0.022MF	30%	25V
C722	1-161-494-00	CERAMIC	0.022MF	30%	25V
C723	1-161-494-00	CERAMIC	0.022MF	30%	25V
C724	1-161-494-00	CERAMIC	0.022MF	30%	25V
C725	1-161-494-00	CERAMIC	0.022MF	30%	25V
C726	1-161-494-00	CERAMIC	0.022MF	30%	25V
C727	1-161-494-00	CERAMIC	0.022MF	30%	25V
C728	1-161-330-00	CERAMIC	0.01MF	30%	25V
C729	1-161-330-00	CERAMIC	0.01MF	30%	25V
C730	1-161-494-00	CERAMIC	0.022MF	30%	25V
C731	1-123-380-00	ELECT	1MF	20%	50V
C902	1-130-620-00	FILM	0.01MF	5%	50V
C903	1-130-624-00	FILM	0.022MF	5%	50V
C904	1-130-624-00	FILM	0.022MF	5%	50V
C905	1-130-620-00	FILM	0.01MF	5%	50V
C906	1-102-851-00	CERAMIC	15PF	5%	50V
C907	1-102-851-00	CERAMIC	15PF	5%	50V
C908	1-161-328-00	CERAMIC	0.0047MF	30%	50V
C909	1-130-140-00	FILM	0.039MF	5%	100V
C910	1-130-635-00	FILM	0.18MF	5%	50V
C911	1-130-631-00	FILM	0.082MF	5%	50V
C912	1-123-356-00	ELECT	10MF	20%	16V
C913	1-123-356-00	ELECT	10MF	20%	16V
C914	1-101-005-00	CERAMIC	0.022MF		50V
C915	1-101-005-00	CERAMIC	0.022MF		50V
C916	1-130-631-00	FILM	0.082MF	5%	50V
C917	1-130-628-00	FILM	0.047MF	5%	50V
C918	1-123-332-00	ELECT	47MF	20%	16V
C919	1-123-332-00	ELECT	47MF	20%	16V
C920	1-123-332-00	ELECT	47MF	20%	16V
C921	1-123-332-00	ELECT	47MF	20%	16V
C922	1-162-052-00	CERAMIC	22PF	5%	50V

ELECTRICAL PARTS

Ref. No. Part No. Description

C923	1-162-052-00	CERAMIC	22PF	5%	50V
C924	1-123-333-00	ELECT	100MF	20%	16V
C925	1-123-333-00	ELECT	100MF	20%	16V
C926	1-124-554-00	ELECT	3300MF	20%	25V
C927	1-124-554-00	ELECT	3300MF	20%	25V
C928	1-123-306-00	ELECT	47MF	20%	10V
C929	1-123-306-00	ELECT	47MF	20%	10V
CNJ301	1-507-531-31	PLATE, PIN-JACK			
CNJ302	1-507-796-21	JACK			
CNP701*1-560-060-00		PIN, CONNECTOR 2P			
CNP702*1-560-061-00		PIN, CONNECTOR 3P			
CNP704*1-560-062-00		PIN, CONNECTOR 4P			
CNP705*1-560-062-00		PIN, CONNECTOR 4P			
CNP706*1-560-063-00		PIN, CONNECTOR 5P			
CNP707*1-560-064-00		PIN, CONNECTOR 6P			
CNP709*1-560-065-00		PIN, CONNECTOR 8P			
CNP710*1-560-065-00		PIN, CONNECTOR 8P			
CNP901*1-560-061-00		PIN, CONNECTOR 3P			
CNP902*1-560-339-00		PIN, CONNECTOR 9P			
CNP903*1-508-879-00		BASE POST			
CP701 A1-161-744-00 CAP, CERAMIC 1000PF FZ					
CP301	1-464-252-00	OSCILLATION UNIT, BIAS			
CT101	1-141-225-00	CAP, TUNING, TRIMAR			
CT201	1-141-225-00	CAP, TUNING, TRIMAR			
D301	8-719-910-64	DIODE HZ6B1L			
D302	8-719-910-64	DIODE HZ6B1L			
D303	8-719-107-94	DIODE 1SS202-1			
D304	8-719-910-19	DIODE HZ11C3L			
D305	8-719-107-94	DIODE 1SS202-1			
D306	8-719-107-94	DIODE 1SS202-1			
D307	8-719-910-64	DIODE HZ6B1L			
D501	8-719-102-97	DIODE RD12E-N2			
D502	8-719-102-97	DIODE RD12E-N2			
D503	8-719-910-64	DIODE HZ6B1L			
D504	8-719-911-19	DIODE 1SS202-1			
D505	8-719-911-19	DIODE 1SS202-1			
D506	8-719-102-97	DIODE RD12E-N2			
D507	8-719-994-54	DIODE HZ5C2			
D701	8-719-200-02	DIODE 10E-2			
D702	8-719-200-02	DIODE 10E-2			
D703	8-719-200-02	DIODE 10E-2			
D704	8-719-200-02	DIODE 10E-2			
D705	8-719-200-02	DIODE 10E-2			
D706	8-719-931-07	DIODE EQ801-07			
D707	8-719-922-71	DIODE HZ27-1L			

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CAPACITORS:

- All capacitors are in μ F. Common capacitors are omitted. Refer to the following lists for their part numbers.

MF: μ F, PF: $\mu\mu$ F.

COILS

- MMH : mH, UH : μ H

SEMICONDUCTORS

In each case, U : μ , for example:
 UA... : μ A..., UPA... : μ PA..., UPC... : μ PC,
 UPD... : μ PD...

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

TC-K555ESII TC-K555ESII

ELECTRICAL PARTS			ELECTRICAL PARTS			ELECTRICAL PARTS			ELECTRICAL PARTS		
Ref. No.	Part No.	Description	Ref. No.	Part No.	Description	Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
D708	8-719-910-41	DIODE HZ24-1L	L101	1-407-240-00	MICRO INDUCTOR 22MMH	Q503	8-729-900-89	TRANSISTOR DTC144ES	R107	1-247-179-00	CARBON
D709	8-719-910-17	DIODE HZ11C1L	L102	1-408-259-00	MICRO INDUCTOR 15MMH	Q504	8-729-117-54	TRANSISTOR 2SA1175	R108	1-247-155-00	CARBON
D710	8-719-910-69	DIODE HZ6C3L	L103	1-408-253-00	MICRO INDUCTOR 4.7MMH	Q505	8-729-117-54	TRANSISTOR 2SA1175	R109	1-247-171-00	CARBON
D711	8-719-107-94	DIODE 1SS202-1	L104	1-408-250-00	MICRO INDUCTOR 2.7MMH	Q701	8-729-201-78	TRANSISTOR 2SD1406	R110	1-214-737-00	METAL
D712	8-719-107-94	DIODE 1SS202-1	L105	1-408-685-00	MICRO INDUCTOR 1.8MMH	Q702	8-729-201-78	TRANSISTOR 2SD1406	R111	1-214-723-00	METAL
D713	8-719-200-02	DIODE 10E-2	L106	1-408-249-00	MICRO INDUCTOR 2.2MMH	Q703	8-729-201-78	TRANSISTOR 2SD1406	R112	1-214-753-00	METAL
D714	8-719-200-02	DIODE 10E-2	L201	1-407-240-00	MICRO INDUCTOR 22MMH	Q704	8-729-201-78	TRANSISTOR 2SD1406	R113	1-214-744-00	METAL
D715	8-719-200-02	DIODE 10E-2	L202	1-408-259-00	MICRO INDUCTOR 15MMH	Q705	8-729-201-78	TRANSISTOR 2SD1406	R114	1-214-739-00	METAL
D716	8-719-902-25	DIODE SLR-34DU5	L203	1-408-253-00	MICRO INDUCTOR 4.7MMH	Q706	8-729-245-83	TRANSISTOR 2SC2458	R115	1-246-537-00	CARBON
D717	8-719-902-33	DIODE SLR-34UR5	L204	1-408-250-00	MICRO INDUCTOR 2.7MMH	Q707	8-729-245-83	TRANSISTOR 2SC2458	R116	1-247-123-00	CARBON
D718	8-719-902-77	DIODE SLR-34PC5	L205	1-408-685-00	MICRO INDUCTOR 1.8MMH	Q708	8-729-245-83	TRANSISTOR 2SC2458	R117	1-214-776-00	METAL
D719	8-719-200-02	DIODE 10E-2	L206	1-408-249-00	MICRO INDUCTOR 2.2MMH	Q709	8-729-103-43	TRANSISTOR 2SB734	R118	1-247-138-00	CARBON
D901	8-719-910-64	DIODE HZ6B1L	L301	1-408-096-00	MICRO INDUCTOR 470UH	Q710	8-729-103-43	TRANSISTOR 2SB734	R119	1-247-148-00	CARBON
D902	8-719-910-64	DIODE HZ6B1L	L302	1-408-096-00	MICRO INDUCTOR 470UH	Q711	8-729-201-78	TRANSISTOR 2SD1406	R120	1-247-171-00	CARBON
D903	8-719-230-11	DIODE 30DF1-FA	L501	1-407-177-XX	MICRO INDUCTOR	Q712	8-729-195-23	TRANSISTOR 2SB808	R121	1-246-530-00	CARBON
D904	8-719-230-11	DIODE 30DF1-FA	LPF101	1-231-388-00	FILTER, LOWPASS	Q713	8-729-195-23	TRANSISTOR 2SB808	R122	1-246-528-00	CARBON
D905	8-719-230-11	DIODE 30DF1-FA	LPF201	1-231-388-00	FILTER, LOWPASS	Q714	8-729-100-13	TRANSISTOR 2SC2001	R123	1-246-529-00	CARBON
D906	8-719-230-11	DIODE 30DF1-FA	PL301	1-518-489-21	LAMP, PILOT	Q715	8-729-100-13	TRANSISTOR 2SC2001	R124	1-247-145-00	CARBON
D907	8-719-815-55	DIODE 1S1555	PL302	1-518-489-21	LAMP, PILOT	Q716	8-729-900-80	TRANSISTOR DTC114ES	R125	1-246-529-00	CARBON
D908	8-719-815-55	DIODE 1S1555	PL901	1-518-313-00	LAMP, PILOT	Q717	8-729-102-03	TRANSISTOR 2SD1020	R126	1-246-528-00	CARBON
F701A-1-532-556-00 (Canadian)...FUSE, GLASS TUBE			PM901	1-454-333-00	SOLENOID, PLUNGER	Q718	8-729-102-03	TRANSISTOR 2SD1020	R127	1-247-120-00	CARBON
F701A-1-532-259-00 (AEP,E)...FUSE, GLASS TUBE			PM902	1-454-291-00	SOLENOID, PLUNGER	Q719	8-729-900-80	TRANSISTOR DTC114ES	R128	1-247-145-00	CARBON
FL	1-519-247-00	INDICATOR TUBE, FLUORESCENT	Q101	8-729-100-13	TRANSISTOR 2SC2001	Q720	8-729-900-80	TRANSISTOR DTC114ES	R129	1-247-171-00	CARBON
HE	8-825-535-30	HEAD, ERASE (ES237-36C)	Q102	8-729-100-13	TRANSISTOR 2SC2001	Q721	8-729-900-80	TRANSISTOR DTC114ES	R130	1-214-763-00	METAL
HRP	8-825-500-30	HEAD, REC/PB RPA230-3602	Q201	8-729-100-13	TRANSISTOR 2SC2001	Q722	8-729-900-80	TRANSISTOR DTC114ES	R131	1-214-751-00	METAL
IC101	8-752-008-80	IC CX20088	Q301	8-769-111-00	TRANSISTOR 2SK120	Q723	8-729-900-80	TRANSISTOR DTC114ES	R132	1-247-151-00	CARBON
IC102	8-752-008-70	IC CX20087	Q302	8-729-167-62	TRANSISTOR 2SC2676	Q724	8-729-900-80	TRANSISTOR DTC114ES	R133	1-247-145-00	CARBON
IC201	8-752-008-70	IC CX20087	Q303	8-729-167-62	TRANSISTOR 2SC2676	Q725	8-729-900-80	TRANSISTOR DTC114ES	R134	1-247-143-00	CARBON
IC202	8-752-008-80	IC CX20088	Q304	8-729-141-43	TRANSISTOR 2SD414	Q726	8-729-900-80	TRANSISTOR DTC144ES	R135	1-247-151-00	CARBON
IC301	8-759-700-04	IC NJM2043D-D	Q305	8-769-111-00	TRANSISTOR 2SK120	Q727	8-729-900-80	TRANSISTOR DTA114ES	R136	1-247-171-00	CARBON
IC302	8-759-745-60	IC NJM4560D	Q306	8-729-113-82	TRANSISTOR 2SA1138	Q728	8-729-245-83	TRANSISTOR 2SC2458	R137	1-247-171-00	CARBON
IC303	8-759-745-60	IC NJM4560D	Q307	8-729-113-82	TRANSISTOR 2SA1138	Q901	8-729-245-83	TRANSISTOR 2SC2458	R138	1-214-721-00	METAL
IC304	8-759-145-58	IC UPC4558C	Q308	8-729-154-83	TRANSISTOR 2SB548	Q902	8-729-180-93	TRANSISTOR 2SD809	R139	1-214-753-00	METAL
IC305	8-759-745-60	IC NJM4560D	Q311	8-729-245-83	TRANSISTOR 2SC2458	Q903	8-729-173-13	TRANSISTOR 2SB731	R140	1-214-744-00	METAL
IC306	8-759-961-38	IC BA6138	Q312	8-729-117-54	TRANSISTOR 2SA1175	Q904	8-729-245-83	TRANSISTOR 2SC2458	R141	1-214-739-00	METAL
IC501	8-759-904-72	IC MSL9359RS	Q313	8-729-245-83	TRANSISTOR 2SC2458	Q905	8-729-117-54	TRANSISTOR 2SA1175	R142	1-246-537-00	CARBON
IC502	8-759-100-12	IC UPD554C-089	Q314	8-729-281-53	TRANSISTOR 2SC1815-GR	Q906	8-729-245-83	TRANSISTOR 2SC2458	R143	1-247-123-00	CARBON
IC701	8-759-910-46	IC MB8841H-1264K	Q315	8-729-245-83	TRANSISTOR 2SC2458	Q907	8-729-117-54	TRANSISTOR 2SA1175	R144	1-214-776-00	METAL
IC702	8-759-984-49	IC MB84049UB	Q316	8-729-245-83	TRANSISTOR 2SC2458	Q908	8-729-110-21	TRANSISTOR PH102	R145	1-247-138-00	CARBON
IC703	8-759-984-49	IC MB84049UB	Q317	8-729-245-83	TRANSISTOR 2SC2458	Q909	8-729-110-21	TRANSISTOR PH102	R146	1-247-148-00	CARBON
IC704	8-759-700-46	IC CX10034	Q501	8-729-900-65	TRANSISTOR DTA144ES	R101	1-214-777-00	METAL	R147	1-247-171-00	CARBON
IC901	8-759-145-58	IC UPC4558C	Q502	8-729-900-65	TRANSISTOR DTA144ES	R102	1-214-709-00	METAL	R148	1-246-530-00	CARBON
IC902	8-759-958-14	IC MSM58141RS				R103	1-214-746-00	METAL	R149	1-246-528-00	CARBON
IC903	8-759-145-58	IC UPC4558C				R104	1-214-780-00	METAL	R150	1-246-529-00	CARBON
IC904	8-759-102-17	IC CX10031A				R105	1-214-735-00	METAL	R151	1-247-145-00	CARBON
						R106	1-214-736-00	METAL			

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TC-K555ESII TC-K555ESII

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Ref. No.	Part No.	Description	Ref. No.	Part No.	Description	Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R152	1-246-529-00	CARBON	220K	5%	1/4W	R208	1-247-155-00	CARBON	10K	5%	1/4W
R153	1-246-528-00	CARBON	200K	5%	1/4W	R209	1-247-171-00	CARBON	47K	5%	1/4W
R154	1-247-120-00	CARBON	360	5%	1/4W	R210	1-214-737-00	METAL	2.2K	1%	1/4W
R155	1-247-145-00	CARBON	3.9K	5%	1/4W	R211	1-214-723-00	METAL	560	1%	1/4W
R156	1-214-757-00	METAL	15K	1%	1/4W	R212	1-214-753-00	METAL	10K	1%	1/4W
R157	1-247-171-00	CARBON	47K	5%	1/4W	R213	1-214-744-00	METAL	4.3K	1%	1/4W
R158	1-214-741-00	METAL	3.3K	1%	1/4W	R214	1-214-739-00	METAL	2.7K	1%	1/4W
R159	1-247-131-00	CARBON	1K	5%	1/4W	R215	1-246-537-00	CARBON	470K	5%	1/4W
R160	1-247-163-00	CARBON	22K	5%	1/4W	R216	1-247-123-00	CARBON	470	5%	1/4W
R161	1-247-171-00	CARBON	47K	5%	1/4W	R217	1-214-776-00	METAL	91K	1%	1/4W
R162	1-214-755-00	METAL	12K	1%	1/4W	R218	1-247-138-00	CARBON	2K	5%	1/4W
R163	1-214-737-00	METAL	2.2K	1%	1/4W	R219	1-247-148-00	CARBON	5.1K	5%	1/4W
R164	1-214-763-00	METAL	27K	1%	1/4W	R220	1-247-171-00	CARBON	47K	5%	1/4W
R165	1-214-761-00	METAL	22K	1%	1/4W	R221	1-246-530-00	CARBON	240K	5%	1/4W
R166	1-214-739-00	METAL	2.7K	1%	1/4W	R222	1-246-528-00	CARBON	200K	5%	1/4W
R167	1-247-115-00	CARBON	220	5%	1/4W	R223	1-246-529-00	CARBON	220K	5%	1/4W
R168	1-247-157-00	CARBON	12K	5%	1/4W	R224	1-247-145-00	CARBON	3.9K	5%	1/4W
R169	1-247-109-00	CARBON	120	5%	1/4W	R225	1-246-529-00	CARBON	220K	5%	1/4W
R170	1-247-147-00	CARBON	4.7K	5%	1/4W	R226	1-246-528-00	CARBON	200K	5%	1/4W
R171	1-247-143-00	CARBON	3.3K	5%	1/4W	R227	1-247-120-00	CARBON	360	5%	1/4W
R172	1-247-111-00	CARBON	150	5%	1/4W	R228	1-247-145-00	CARBON	3.9K	5%	1/4W
R173	1-246-533-00	CARBON	330K	5%	1/4W	R229	1-247-171-00	CARBON	47K	5%	1/4W
R174	1-247-133-00	CARBON	1.2K	5%	1/4W	R230	1-214-763-00	METAL	27K	1%	1/4W
R175	1-247-109-00	CARBON	120	5%	1/4W	R231	1-214-751-00	METAL	8.2K	1%	1/4W
R176	1-247-141-00	CARBON	2.7K	5%	1/4W	R232	1-247-151-00	CARBON	6.8K	5%	1/4W
R177	1-247-141-00	CARBON	2.7K	5%	1/4W	R233	1-247-145-00	CARBON	3.9K	5%	1/4W
R178	1-214-733-00	METAL	1.5K	1%	1/4W	R234	1-247-143-00	CARBON	3.3K	5%	1/4W
R179	1-247-163-00	CARBON	22K	5%	1/4W	R235	1-247-151-00	CARBON	6.8K	5%	1/4W
R180	1-247-163-00	CARBON	22K	5%	1/4W	R236	1-247-171-00	CARBON	47K	5%	1/4W
R181	1-214-735-00	METAL	1.8K	1%	1/4W	R237	1-247-171-00	CARBON	47K	5%	1/4W
R182	1-247-139-00	CARBON	2.2K	5%	1/4W	R238	1-214-721-00	METAL	470	1%	1/4W
R183	1-247-091-00	CARBON	22	5%	1/4W	R239	1-214-753-00	METAL	10K	1%	1/4W
R184	1-246-525-00	CARBON	150K	5%	1/4W	R240	1-214-744-00	METAL	4.3K	1%	1/4W
R185	1-247-155-00	CARBON	10K	5%	1/4W	R241	1-214-739-00	METAL	2.7K	1%	1/4W
R186	1-247-133-00	CARBON	1.2K	5%	1/4W	R242	1-246-537-00	CARBON	470K	5%	1/4W
R187	1-247-163-00	CARBON	22K	5%	1/4W	R243	1-247-123-00	CARBON	470	5%	1/4W
R188	1-246-529-00	CARBON	220K	5%	1/4W	R244	1-214-776-00	METAL	91K	1%	1/4W
R189	1-247-115-00	CARBON	220	5%	1/4W	R245	1-247-138-00	CARBON	2K	5%	1/4W
R201	1-214-777-00	METAL	100K	1%	1/4W	R246	1-247-148-00	CARBON	5.1K	5%	1/4W
R202	1-214-709-00	METAL	150	1%	1/4W	R247	1-247-171-00	CARBON	47K	5%	1/4W
R203	1-214-746-00	METAL	5.1K	1%	1/4W	R248	1-246-530-00	CARBON	240K	5%	1/4W
R204	1-214-780-00	METAL	130K	1%	1/4W	R249	1-246-528-00	CARBON	200K	5%	1/4W
R205	1-214-735-00	METAL	1.8K	1%	1/4W	R250	1-246-529-00	CARBON	220K	5%	1/4W
R206	1-214-736-00	METAL	2K	1%	1/4W	R251	1-247-145-00	CARBON	3.9K	5%	1/4W
R207	1-247-179-00	CARBON	100K	5%	1/4W	R252	1-246-529-00	CARBON	220K	5%	1/4W

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- UPD...: μPD ...

ELECTRICAL PARTS

Ref. No.	Part No.	Description	Value	Tolerance	Power	Mark
R701	A.1-212-971-00	FUSIBLE	36	5%	1/2W	F
R702	1-247-141-00	CARBON	2.7K	5%	1/4W	
R703	A.1-213-059-00	FUSIBLE	9.1	5%	1W	F
R704	1-247-152-00	CARBON	7.5K	5%	1/4W	
R705	A.1-217-387-00	FUSIBLE	10	5%	1/4W	F
R706	1-247-131-00	CARBON	1K	5%	1/4W	
R707	1-247-831-00	CARBON	1K	5%	1/6W	
R708	1-247-846-00	CARBON	4.3K	5%	1/6W	
R709	A.1-206-463-00	METAL OXIDE	10	5%	2W	F
R710	A.1-206-477-00	METAL OXIDE	39	5%	2W	F
R711	1-247-155-00	CARBON	10K	5%	1/4W	
R713	1-247-131-00	CARBON	1K	5%	1/4W	
R714	1-247-179-00	CARBON	100K	5%	1/4W	
R715	1-247-871-00	CARBON	47K	5%	1/6W	
R716	1-247-131-00	CARBON	1K	5%	1/4W	
R717	1-247-831-00	CARBON	1K	5%	1/6W	
R718	1-247-871-00	CARBON	47K	5%	1/6W	
R719	1-247-131-00	CARBON	1K	5%	1/4W	
R720	1-247-831-00	CARBON	1K	5%	1/6W	
R721	1-247-831-00	CARBON	1K	5%	1/6W	
R722	1-247-831-00	CARBON	1K	5%	1/6W	
R723	1-247-131-00	CARBON	1K	5%	1/4W	
R724	1-247-131-00	CARBON	1K	5%	1/4W	
R725	1-247-133-00	CARBON	1.2K	5%	1/4W	
R726	1-247-128-00	CARBON	750	5%	1/4W	
R727	A.1-217-383-00	FUSIBLE	4.7	5%	1/4W	F
R728	1-247-179-00	CARBON	100K	5%	1/4W	
R729	1-247-179-00	CARBON	100K	5%	1/4W	
R730	1-246-537-00	CARBON	470K	5%	1/4W	
R731	1-246-537-00	CARBON	470K	5%	1/4W	
R732	1-247-877-00	CARBON	82K	5%	1/6W	
R733	1-247-877-00	CARBON	82K	5%	1/6W	
R734	1-247-877-00	CARBON	82K	5%	1/6W	
R735	1-247-877-00	CARBON	82K	5%	1/6W	
R736	1-247-877-00	CARBON	82K	5%	1/6W	
R738	1-247-155-00	CARBON	10K	5%	1/4W	
R739	1-247-147-00	CARBON	4.7K	5%	1/4W	
R740	1-247-131-00	CARBON	1K	5%	1/4W	
R741	1-247-131-00	CARBON	1K	5%	1/4W	
R742	1-247-131-00	CARBON	1K	5%	1/4W	
R743	1-247-131-00	CARBON	1K	5%	1/4W	
R744	1-247-131-00	CARBON	1K	5%	1/4W	
R745	1-247-131-00	CARBON	1K	5%	1/4W	
R746	1-247-131-00	CARBON	1K	5%	1/4W	
R747	1-247-163-00	CARBON	22K	5%	1/4W	

ELECTRICAL PARTS

Ref. No.	Part No.	Description	Value	Tolerance	Power	Mark
R748	1-247-163-00	CARBON	22K	5%	1/4W	
R749	1-247-163-00	CARBON	22K	5%	1/4W	
R750	1-247-163-00	CARBON	22K	5%	1/4W	
R751	1-247-163-00	CARBON	22K	5%	1/4W	
R752	1-247-163-00	CARBON	22K	5%	1/4W	
R753	1-247-163-00	CARBON	22K	5%	1/4W	
R754	1-247-163-00	CARBON	22K	5%	1/4W	
R755	1-247-163-00	CARBON	22K	5%	1/4W	
R756	1-247-163-00	CARBON	22K	5%	1/4W	
R757	1-247-163-00	CARBON	22K	5%	1/4W	
R758	1-247-855-00	CARBON	10K	5%	1/6W	
R759	1-247-163-00	CARBON	22K	5%	1/4W	
R760	1-247-163-00	CARBON	22K	5%	1/4W	
R761	1-247-163-00	CARBON	22K	5%	1/4W	
R762	1-247-163-00	CARBON	22K	5%	1/4W	
R763	1-247-163-00	CARBON	22K	5%	1/4W	
R764	1-247-163-00	CARBON	22K	5%	1/4W	
R765	1-247-163-00	CARBON	22K	5%	1/4W	
R766	1-247-163-00	CARBON	22K	5%	1/4W	
R767	1-247-131-00	CARBON	1K	5%	1/4W	
R768	1-247-147-00	CARBON	4.7K	5%	1/4W	
R769	1-247-147-00	CARBON	4.7K	5%	1/4W	
R770	1-247-163-00	CARBON	22K	5%	1/4W	
R771	1-247-163-00	CARBON	22K	5%	1/4W	
R772	1-247-115-00	CARBON	220	5%	1/4W	
R773	1-247-123-00	CARBON	470	5%	1/4W	
R774	1-247-117-00	CARBON	270	5%	1/4W	
R776	1-247-163-00	CARBON	22K	5%	1/4W	
R777	1-247-879-00	CARBON	100K	5%	1/6W	
R779	1-247-196-00	CARBON	15	5%	1/2W	
R901	1-247-831-00	CARBON	1K	5%	1/6W	
R902	1-247-831-00	CARBON	1K	5%	1/6W	
R903	1-247-873-00	CARBON	56K	5%	1/6W	
R904	1-247-831-00	CARBON	1K	5%	1/6W	
R905	1-247-850-00	CARBON	6.2K	5%	1/6W	
R906	1-247-857-00	CARBON	12K	5%	1/6W	
R907	1-247-879-00	CARBON	100K	5%	1/6W	
R908	1-247-902-00	CARBON	910K	5%	1/6W	
R909	1-247-855-00	CARBON	10K	5%	1/6W	
R910	1-247-855-00	CARBON	10K	5%	1/6W	
R911	1-214-765-00	METAL	33K	1%	1/4W	
R912	1-247-895-00	CARBON	470K	5%	1/6W	
R913	1-247-899-00	CARBON	680K	5%	1/6W	
R914	1-247-871-00	CARBON	47K	5%	1/6W	
R915	1-247-879-00	CARBON	100K	5%	1/6W	

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:

- All capacitors are in μF . Common capacitors are omitted. Refer to the following lists for their part numbers.
- MF: μF , PF: $\mu\mu\text{F}$.

COILS

- MMH : mH, UH : μH

SEMICONDUCTORS

- In each case, U : μ , for example:
UA... : μA ..., UPA... : μPA ..., UPC... : μPC ,
UPD... : μPD ...

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque **A** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

ELECTRICAL PARTS

Ref. No.	Part No.	Description			
R916	1-247-841-00	CARBON	2.7K	5%	1/6W
R917	1-247-850-00	CARBON	6.2K	5%	1/6W
R918	1-247-877-00	CARBON	82K	5%	1/6W
R919	1-247-771-00	CARBON	3.3	5%	1/6W
R920	1-247-771-00	CARBON	3.3	5%	1/6W
R921	1-247-855-00	CARBON	10K	5%	1/6W
R922	1-247-855-00	CARBON	10K	5%	1/6W
R923	1-247-831-00	CARBON	1K	5%	1/6W
R924	1-247-855-00	CARBON	10K	5%	1/6W
R925	1-247-831-00	CARBON	1K	5%	1/6W
R926	1-247-877-00	CARBON	82K	5%	1/6W
R927	1-247-847-00	CARBON	4.7K	5%	1/6W
R928	1-247-855-00	CARBON	10K	5%	1/6W
R929	1-247-839-00	CARBON	2.2K	5%	1/6W
R930	1-247-839-00	CARBON	2.2K	5%	1/6W
R931	1-247-831-00	CARBON	1K	5%	1/6W
R932	1-247-831-00	CARBON	1K	5%	1/6W
R933	1-247-827-00	CARBON	680	5%	1/6W
R934	1-247-827-00	CARBON	680	5%	1/6W
R935	1-247-843-00	CARBON	3.3K	5%	1/6W
R936	1-247-843-00	CARBON	3.3K	5%	1/6W
R937	1-247-843-00	CARBON	3.3K	5%	1/6W
R938	1-247-843-00	CARBON	3.3K	5%	1/6W
R939	1-247-871-00	CARBON	47K	5%	1/6W
R940	1-247-871-00	CARBON	47K	5%	1/6W
R941 Δ 1-217-383-00	FUSIBLE		4.7	5%	1/4W F
R942 Δ 1-217-383-00	FUSIBLE		4.7	5%	1/4W F
RV101	1-224-251-XX	RES, ADJ, METAL GLAZE	4.7K		
RV102	1-224-251-XX	RES, ADJ, METAL GLAZE	4.7K		
RV103	1-226-236-00	RES, ADJ, CARBON	10K		
RV201	1-224-251-XX	RES, ADJ, METAL GLAZE	4.7K		
RV202	1-224-251-XX	RES, ADJ, METAL GLAZE	4.7K		
RV203	1-226-236-00	RES, ADJ, CARBON	10K		
RV301	1-230-344-11	RES, VAR, CARBON	20K/20K		
RV302	1-226-980-00	RES, VAR, CARBON	20K/20K		
RV303	1-226-560-00	RES, VAR, CARBON	5K		
RV701	1-226-233-00	RES, ADJ, CARBON	1K		
RV901	1-224-252-XX	RES, ADJ, METAL GLAZE	10K		
RV902	1-226-232-00	RES, ADJ, CARBON	500		
RV903	1-226-239-00	RES, ADJ, CARBON	100K		
RV904	1-226-232-00	RES, ADJ, CARBON	500		
RV905	1-226-239-00	RES, ADJ, CARBON	100K		
RY301	1-515-519-00	RELAY			

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- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:

- All capacitors are in μ F. Common capacitors are omitted. Refer to the following lists for their part numbers.
MF: μ F, PF: μ μ F.

COILS

- MMH : mH, UH : μ H

SEMICONDUCTORS

- In each case, U : μ , for example:
UA...: μ A..., UPA...: μ PA..., UPC...: μ PC,
UPD...: μ PD...

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Sony Corporation